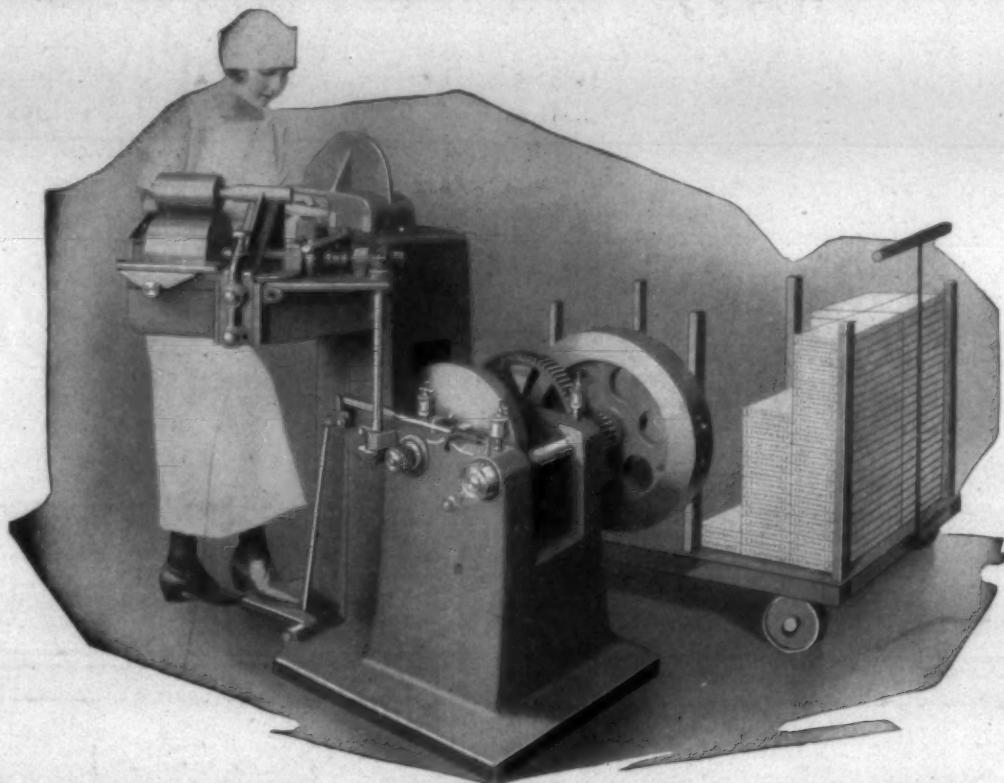


# SOUTHERN TEXTILE BULLETIN

VOL. XX.

CHARLOTTE, N. C., THURSDAY, JANUARY 27, 1921

NUMBER 22



Operate  
Your Own  
Box Factory  
at our  
Expense

HERE'S a new machine that will enable hosiery and underwear manufacturers to be independent of the box maker. A simple, efficient machine that is revolutionizing the manufacture of textile containers just as the nailing machine did for the wooden box. Does away with excessive freight bills on the old style set-up boxes. Eliminates waste of faded and damaged boxes. Saves the space now devoted to storage of stiff board boxes. Economically solves the packing problem. Instantly converts a box blank into a durable, attractive carton the exact size and shape required. No mechanical troubles—needs no attention.

### Reduce the Cost of Your Cartons 35%.

That's what the new Andrews Automatic Box-making Machine will save you. We put it in at **our expense** and furnish you at low cost the knock-down blanks ready for the machine to assemble. Blanks can be stored in small space and assembled as needed.

### Big Capacity—1500 Cartons Daily

One girl, after three days instruction on this machine can assemble 1500 complete hosiery or underwear cartons every working day. Boxes need no labeling—we print the style, lot number, size and trade-mark on the blanks before they leave our factory. This feature alone means a big saving in your packing cost.

### Andrews Solid and Corrugated Fibre Containers

The ideal containers for 30 to 60 dozen shipments. Light, durable and cheaper than wood. Made of a tough, resilient material that absorbs the shocks and defies rough handling. They reduce damage claims to the lowest possible level and eliminate tampering with shipments. Impossible to open them without mutilating beyond repair. Wooden cases also in any style, size or shape. We specialize on wooden cases for export.

### Further details on request

Get in on the ground floor—get in before your competitor does—the 35% saving provided by the new Andrews Box-making Machine may as well be yours. A letter mailed today will bring you the facts tomorrow.

**O. B. ANDREWS COMPANY**

CHATTANOOGA, TENN.

Box 303 T.

The only concern in the world manufacturing wooden, wirebound, corrugated fibre, solid fibre and folding cartons and containers, and owning its own paper mill and sawmills.

DIVISION SALES OFFICES IN THE PRINCIPAL CITIES OF THE UNITED STATES.



# The Textile Mill Supply Co.

INCORPORATED 1898

CHARLOTTE, N. C.

*Agents for*

**Graton & Knight**  
Leather Belting

**U. S. Bobbin & Shuttle Co.**  
Bobbins and Shuttles

**DODGE**  
Hangers, Pulleys,  
Couplings

Card Clothing

Reeds

## WYANDOTTE

Concentrated Ash

Textile Soda

K. B. Special Ash

Detergent

We carry a complete stock and can make immediate shipment.

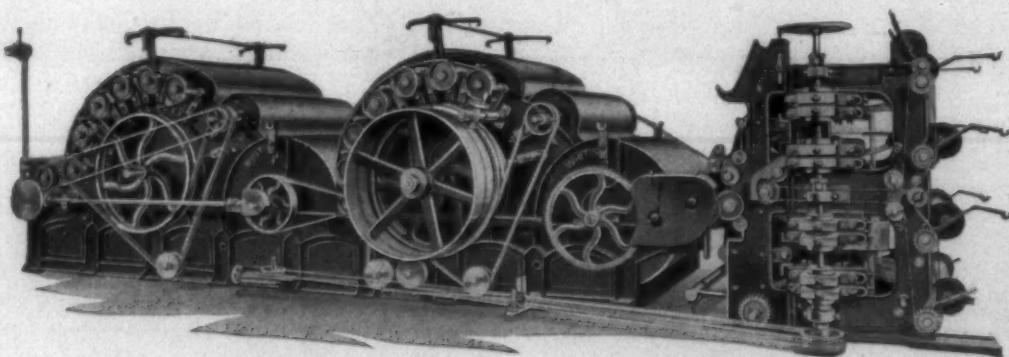
Everything in Mill and Factory Supplies

### WHITIN MACHINE WORKS

ESTABLISHED 1831

TEXTILE MACHINERY

*Manufacturers of Complete Condenser Plants for Wool and  
Cotton Waste Yarns.*



*Intermediate and Finisher Cards with Four-Bank Condenser*

MAIN OFFICE AND WORKS  
**WHITINSVILLE, MASS., U.S.A.**  
 SOUTHERN OFFICE CHARLOTTE N.C.

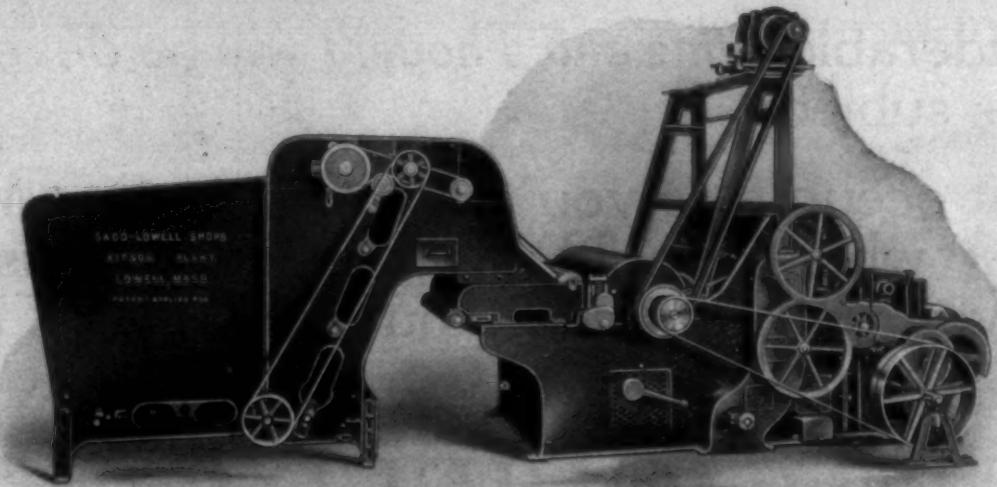
European Agent, AMERICAN TEXTILE MACHINERY CORPORATION, 47 de l'Opera, Paris, France

# **SACO - LOWELL SHOPS**

## **Cotton Machinery**

**INCLUDING**

**OPENING, CONVEYING & DISTRIBUTING EQUIPMENT**



**ONE-BEATER BREAKER WITH FEEDER, ELECTRICALLY DRIVEN**

**PICKING  
CARDING  
DRAWING**

**ROVING  
SPINNING  
SPOOLING**

**WARPING  
SLASHING  
TWISTING**

**Waste Reclaiming Machinery**

**DUSTLESS CARD STRIPPER**

**Shops at**

**Lowell, Mass. Newton Upper Falls, Mass. Biddeford, Me.**

**Executive Offices: BOSTON, Mass.**

**ROGERS W. DAVIS, Southern Agent, CHARLOTTE, N. C.**

**Southern Branch Office: GREENVILLE, S. C.**

---

Tax returns that will reflect the least *Income*  
Tax is now paramount in the minds of business  
men.

Much money will be appropriated for *Expert Advice*.

Considerable *Time and Thought* will be devoted to this subject.

Had it occurred to you that there is *One More Subject* which should be a paramount issue with you, namely: *How* you should buy and *What* you ought to buy.

## **The SCHOFIELD Service**

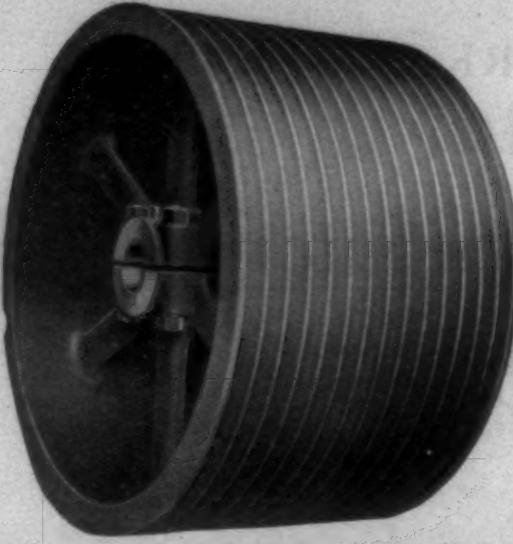
offers both the  
**“How and What”**

Boilers, Engines, Tanks, Tanks and Towers, Smoke Stacks, Phosphate Dryers, Grate Bars, both light and heavy, Castings, Forgings, Machine Work. *Big Jobbers of Mill Supplies.*

*Serving the South 65 Years—Let Us Serve You*

**J.S. Schofield's Sons Co.**  
MACON —————— GEORGIA

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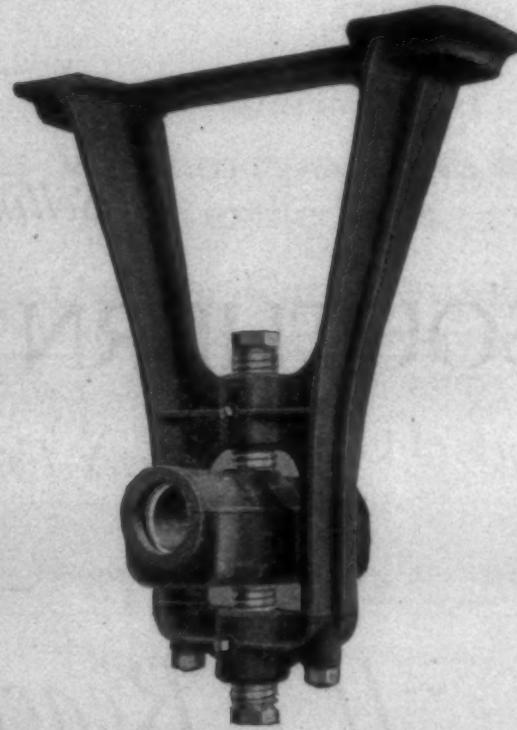
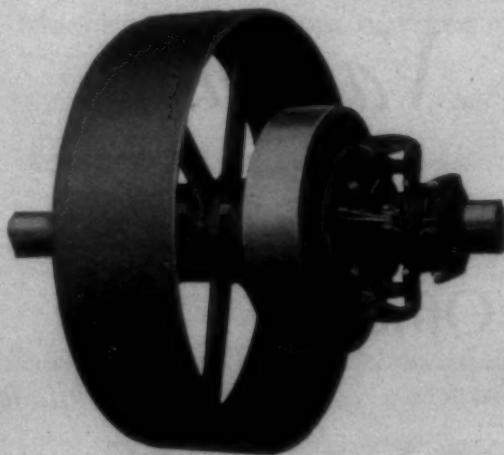
If Speed is **HIGH** or **LOW**

WHATEVER  
the Conditions under  
which Machinery  
must operate

YOU CAN  
Select suitable  
Appliances for the  
purpose

FROM  
The **WOOD**  
**SONS CO.** Line  
OF

**Power Transmitting Machinery**



**For Cotton Mills, Lumber or  
Paper Mills, in fact any plant  
that operates machinery.**

For advice regarding the selection and arranging of those types of appliances best suited for your particular conditions we offer the benefit of our 64 year's experience in producing this line Exclusively.

**T. B. WOOD'S SONS CO., Chambersburg, Pa.**

Milton G. Smith, Southern Sales Agent, Greenville, S. C.



# Hunter Mfg. & Commission Co.

58-60 Worth Street, NEW YORK CITY, U. S. A.

*World Wide Distributor of  
Cotton Fabrics*

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*Selling Agents For*

## SOUTHERN COTTON MILLS

*Fabrics For Home and Export*

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*“We Reach All Nations”*

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### Domestic Branch Offices:

*Boston*

*Chicago*

*San Francisco*

*Philadelphia*

*St. Louis*

*Baltimore*

*Greensboro*

### Foreign Branch Offices:

*Buenos Aires, Argentine*

*Curacao, D. W. I.*

*Caracas, Venezuela*

*Santiago, Chile*

*Havana, Cuba*

*San Juan, Porto Rico*

*Barranquilla, Colombia*

# Over 35 Years of Service

## William Firth, Inc.

*Importers and Manufacturers of  
Textile Machinery and Appliances*

### Patented Specialties of Unusual Success:

#### *Sole Importers of*

**Asa Lees & Co., Ltd.**

Cotton Mill Machinery of Every Description.

**William Tatham, Ltd.**

Cotton Waste Machinery of Every Description.

**Joseph Stubbs**

Gassing, Winding and Reeling Machinery for Cotton, Worsted and Silk.

**George Orme & Co.**

Patent Hank Indicators, etc.

**Goodbrand & Co.**

Cloth and Yarn Testing Apparatus.

#### *Manufacturers of*

**Vacuum Specialties for Textile Mills.**

**Dustless Card Stripping and Cleaning System.**

From Central Station

**General Machinery Cleaning.**

From Central Station  
Indispensable on Combing, Knitting and Cordage Braiding Machines.

**Dustless Card Stripper Portable**

**Broomless Floor Sweeper Portable**

**Electrical and Mechanical Warp Stop Motions**

# WILLIAM FIRTH, Inc.

200 Devonshire Street, BOSTON, Mass.

President and Treasurer  
JOSEPH J. SMITH

Southern Representative  
MILTON G. SMITH

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(Incorporated)

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*J. P. Manley,  
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# GREENVILLE, S. C.

(Telegraph Codes: Shepperson and Meyers)

# Saves TIME, BOBBINS and WASTE

**Enables Spinners to run Additional Machinery**

**The Monarch Bobbin  
Cleaner**  
"Cleans Roving Bobbins"



Scores of these ma-  
chines are being  
operated by  
Southern Mills

Simple in Construction.  
No complicated parts to  
get out of order.

One machine will clean  
the bobbins from forty to  
fifty thousand spindles.

*For Detailed Information Write*

**Monarch Bobbin Cleaner Co.**  
**UNION, S. C.**

# Five Reasons for Painting Your Mill Now With



1. While your mill is shut down or operating on part time your walls and ceilings can be painted with no interference with production.
2. In addition the work of painting can be carried on without troublesome delays or interruptions.
3. You are undoubtedly keeping some of your men on the pay roll who could do the painting at practically no extra expense. Chaffee's Mill White is so easily applied that it does not require skilled painters.
4. In a few months you will be so busy that it will cost you much more in time, money and trouble to do the painting.
5. Chaffee's Mill White has a permanent white finish that can be easily cleaned. In hundreds of mills throughout the textile industry this sparkling mill white is spreading contentment and good cheer.

*Write for Paint Panel and Descriptive Booklet.*

## Thomas K. Chaffee Co.

PROVIDENCE, R. I.

# SOUTHERN TEXTILE BULLETIN

PUBLISHED EVERY THURSDAY BY CLARK PUBLISHING COMPANY, 39-41 S. CHURCH ST., CHARLOTTE, N. C. SUBSCRIPTION \$2.00 PER YEAR  
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VOL. XX.

CHARLOTTE, N. C., THURSDAY, JANUARY 27, 1921

NUMBER 22

## Clark's Annual Spindle Increase List

### Alabama.

	Installed 1920.
Alexander City Cotton Mills, Alexander City	6,528
Rusco Mills, Alexander City	11,856
Anniston Mfg. Co., Anniston	4,368
Cowikee Mills, Eufaula	448
Cherry Cotton Mills, Florence	1,680
Lincoln Mills, Huntsville	3,418
Mobile Cotton Mills, Mobile	5,808
Opelika Cotton Mills, Opelika	7,500
Wehadkee Yarn Mills, Roanoke	2,694
Eva Jane Mills, Sylacauga	1,352
Sally B. Mills, Sylacauga	3,264
Sylacauga Cotton Mills, Sylacauga	2,000
<b>Total</b>	<b>47,916</b>

### Georgia.

	Installed 1920.
Southern Mfg. Co., Athens	1,080
Sutherland Mfg. Co., Augusta	904
Calhoun Yarn Mills, Calhoun	2,000
Bibb Mfg. Co., Columbus	52,000
Hamburger Cotton Mills, Columbus	1,048
Elk Cotton Mills, Dalton	2,030
Egan Cotton Mills, Egan	816
Georgia Mfg. Co., Gainesville	2,252
Mary Lelia Cotton Mills, Greensboro	4,100
Jefferson Mills, Jefferson	1,664
Bibb Mfg. Co., Macon	11,496
Manchester Mfg. Co., Macon	372
Marietta Cotton Mills, Marietta	3,300
Monroe Cotton Mills, Monroe	2,396
Bibb Mfg. Co., Pordale	29,456
Anchor Duck Mills, Rome	10,616
Arnall Mills, Sargent	2,500
Thomaston Cotton Mills, Thomaston	15,000
<b>Total</b>	<b>142,780</b>

### Kentucky.

	Installed 1920.
Louisville Cotton Mills, Louisville	1,000
<b>Total</b>	<b>1,000</b>

### Mississippi.

	Installed 1920.
Mobile Cotton Mills, McComb	4,468
Tupelo Cotton Mills, Tupelo	9,460
<b>Total</b>	<b>13,628</b>

### North Carolina.

	Installed 1920.
Eiford Mfg. Co., Albemarle	20,000
Acme Spinning Co., Belmont	5,440
Crescent Spinning Co., Belmont	13,056
Sterling Spinning Co., Belmont	13,056
American Cotton Mills, Bessemer City	3,000
J. M. Odell Mfg. Co., Bynum	4,000
Cherryville Mfg. Co., Cherryville	2,712
Howell Mfg. Co., Cherryville	5,548
Rhyne-Houser Mfg. Co., Cherryville	6,000
Cliffside Mills, Cliffside	1,000
Brancord Mfg. Co., Concord	2,880
Roberta Mfg. Co., Concord	416
White-Park Mill Co., Concord	1,000
Gem Yarn Mill, Cornelius	2,832
Delburg-Linden Cotton Mills, Davidson	2,848
Dixon Mills, Inc., Gastonia	6,144
Loray Mills, Gastonia	50,400
<b>Total</b>	<b>12,980</b>

Osceola Mills, Inc., Gastonia	2,000
*Ridge Mills, Inc., Gastonia	6,500
*Cloverdale Cotton Mills, High Point	5,000
Eno Cotton Mills, Hillsboro	4,300
Bell Vue Mfg. Co., Hillsboro	5,000
Cabarrus Cotton Mills, Kannapolis	20,000
*Margrave Mills, Kings Mountain	5,484
Springfield Cotton Mills, Laurel Hill	5,000
*Prince Cotton Mill Co., Laurinburg	13,000
Cleveland Mill & Power Co., Lawndale	500
Dacotah Cotton Mill Co., Lexington	4,224
Anderson Mills, Inc., Lincolnton	416
Boger & Crawford Spinning Co., Lincolnton	5,000
Indian Creek Mfg. Co., Lincolnton	224
*Roseland Cotton Mill, Lincolnton	4,544
Long Shoals Cotton Mill, Long Shoals	4,800
*Liberty Cotton Mills, Maiden	2,500
Mooresville Cotton Mill, Mooresville	2,500
United Mills Co., Mortimer	5,000
*Globe Yarn Mills, Mt. Holly	5,040
*City Cotton Mills, Newton	3,000
Grier Cotton Mills, North Wilkesboro	1,000
Rex Spinning Co., Ranlo	4,720
Red Springs Cotton Mill, Red Springs	2,000
Hannah Pickett Mills, Rockingham	4,000
Barringer Mfg. Co., Rockwell	3,192
Roxboro Cotton Mills, Roxboro	10,000
Cleghorn Mills, Rutherfordton	768
Grace Cotton Mills, Rutherfordton	6,000
*Diamond Cotton Mills, Salisbury	7,396
*Klumac Cotton Mills, Salisbury	5,040
Marsh Cotton Mills, Salisbury	2,576
*Rowan Cotton Mills, Salisbury	5,040
Salisbury Cotton Mills, Salisbury	2,000
*Eastside Mfg. Co., Shelby	10,240
Spencer Mills, Spindale	2,704
Spindale Mills, Spindale	2,520
Lola Mfg. Co., Stanley	6,000
Valdese Mfg. Co., Valdese	8,000
Harden Mfg. Co., Worth	1,952
<b>Total</b>	<b>326,212</b>

### South Carolina.

Santee Mills, Bamberg	4,096
Hamilton Carhartt Cotton Mill, Carhartt	1,520
Glenwood Cotton Mills, Easley	2,016
*Cash Mills, Gaffney	10,240
Brandon Mills, Greenville	5,892
Camperdown Mills, Greenville	1,526
Inman Mills, Inman	7,072
*Helen Yarn Mills, Rock Hill	2,000
Spartanburg County Mills, Spartanburg	5,000
Fort Prince Spinning Co., Wellford	1,000
*Keowee Yarn Mills, Walhalla	2,600
Winnboro Mills, Winnboro	2,928
<b>Total</b>	<b>45,890</b>

### Tennessee.

Eureka Cotton Mills, Englewood	900
*Romac Mills, Memphis	2,000
Prendergast Cotton Mills, Prendergast	10,080
<b>Total</b>	<b>12,980</b>

## Texas.

Consolidated Textile Corp., Bonham	776
*Navarro Mfg. Co., Corsicana	2,500
Denison Cotton Mills, Denison	1,000
*San Antonio Cotton Mills, San Antonio	2,500
Waxahachie Cotton Mill, Waxahachie	1,000
*Waco Twine Mills, Waco	4,500

Total

## Virginia.

Riverside & Dan River Cotton Mills, Danville	42,664
Fieldale Mills, Fieldale	19,200
Matoca Cotton Mills, Matoca	1,900

Total

## Total by States.

Alabama	47,916
Georgia	142,780
Kentucky	1,000
Mississippi	13,628
North Carolina	326,212
South Carolina	45,890
Tennessee	12,980
Texas	9,276
Virginia	63,764

Total installed in South

Pickett Cotton Mills, High Point	8,000
Cabarrus Cotton Mills, Kannapolis	10,000
Mason Cotton Mills, Kings Mountain	5,000
*Melville Mfg. Co. No. 2, Lincolnton	6,000
Durham Hosiery Mills, Mebane	6,000
Alsace Mills, Mt. Holly	2,000
*Union Mills No. 2, Mt. Holly	10,000
Catawba Spinning Co., Mt. Holly	6,76
Grier Cotton Mills, North Wilkesboro	5,00
*Oakboro Cotton Mill, Oakboro	5,00
*Priscilla Spinning Co., Ranlo	20,00
Vance Cotton Mills, Salisbury	5,00
*Stonecutter Mills, Spindale	18,00
Lola Mfg. Co., Stanley	5,00
Ernaldson Mfg. Co., St. Pauls	9,00
*North State Cotton Mills, Taylorsville	5,00
*Watts Spinning Co., Taylorsville	5,000
*Nancy Cotton Mills, Tuckertown	10,000
Green River Mfg. Co., Tuxedo	5,000

## South Carolina.

Arcadia Mills, Arcadia	15,000
Pacific Mills, Columbia	3,512
*Musgrove Cotton Mills, Gaffney	15,000
Spartanburg County Mills, Spartanburg	7,000
Winnboro Mills, Winnboro	38,940

## Tennessee.

Thatcher Spinning Co., Chattanooga	30,000
Columbia Cotton Mills, Columbia	5,000

## Texas.

*Lone Star Cotton Mills, San Antonio	12,000
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## Virginia.

Riverside & Dan River Cotton Mills, Danville	16,800
Total	631,046

\*Represents new mills.

## Alabama.

*LaFayette Cotton Mills, LaFayette	10,000
*Opp Cotton Mills, Opp	4,928
Coosa Mfg. Co., Piedmont	16,000
*Sylacauga Cotton Mills, Sylacauga	5,040

## Georgia.

Berryton Mills, Berryton	5,000
Willingham Cotton Mills, Macon	10,000
*Peerless Cotton Mills, Thomaston	27,000

## Louisiana.

Orleans Mill (Magnolia Text. Corp.), New Orleans	1,296
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## North Carolina.

Cliffside Mills, Avondale	10,000
*Acme Spinning Co., Belmont	10,000
*Linford Mills, Belmont	16,320
*Perfection Spinning Co., Belmont	16,320
*Stowe Spinning Co., Belmont	20,000
American Cotton Mills, Bessemer City	5,000
Belbro Mills, Charlotte	5,000
Savona Mfg. Co., Charlotte	18,000
Sapona Cotton Mills, Cedar Falls	4,000
China Grove Cotton Mills, China Grove	15,000
White-Park Mill Co., Concord	5,000
*Champion Mills, Dallas	10,000
Lawrence Cotton Mills, Durham	7,600
Alexander Mfg. Co., Forest City	5,000
*Ivanhoe Mfg. Co., No. 2, Four Oaks	10,000
Adams-Spencer Mills, Gastonia	6,500
Arkay Mills, Inc., Gastonia	20,000
Flint Mfg. Co., Gastonia	23,000
Gastonia Cotton Mfg. Co., Gastonia	5,200
Hanover Thread Mills, Gastonia	4,030
Mildred Cotton Mills, Gastonia	12,000
Shuford Mills, Inc., Gastonia	10,000
White Oak Cotton Mills, Greensboro	20,000
Highland Cordage Co., Hickory	5,000

## Total by States.

Alabama	35,968
Georgia	42,000
Louisiana	1,296
North Carolina	408,730
South Carolina	79,252
Tennessee	35,000
Texas	12,000
Virginia	46,800

Total

Class of Goods to Be Made by Spindles to Be Installed.	
Spindles.	
20,000 Cordage	5,000
5,000 8s weaving yarn	16,336
5,000 14s to 16s hosiery yarn	10,000
18,000 18s to 20s hosiery yarn	27,500
4,000 20s weaving yarns	36,560
15,000 24s weaving yarns	15,000
5,000 24s hosiery yarns	5,000
10,000 30s weaving yarns	16,000
7,600 30s hosiery yarns	5,000
5,000 40s weaving yarns	28,000
10,000 40s hosiery yarns	6,500
6,500 50s weaving yarns	45,000
20,000 60s to 80s combed yarns	206,670
23,000 Duck	15,000
5,200 Sheetings and print cloths	46,240
4,030 Damask	18,000
12,000 Colored goods	76,800
10,000 Tire fabrics	80,940
Total	631,046

**DOBBINS SOAP MFG. CO.**

For Over Half a Century Makers of High Grade Soaps and Scouring Materials for Textile Manufactures. Dobbin's Cotton Softener a Specialty

# Clark's Knitting Machine Increase List

## Alabama.

Russell Mfg. Co., Alexander City  
Anniston Knitting Mill, Anniston  
United Hosiery Mills, Bridgeport

Total

Knit.  
Machines

4	*J. R. G. Hosiery Mill, Newton .....	15
60	Wilkes Hosiery Mill, North Wilkesboro .....	55
48	Henshaw Hosiery Mills, Oxford .....	15
112	Scotland Neck Cotton Mills, Scotland Neck .....	15
	*Roanoke Hosiery Co., Scotland Neck .....	30
	*Elmore Hosiery Mills, Shelby .....	26
	Walton Hosiery Mills, Statesville .....	5
	*Panola Knitting Co., Tarboro .....	25
	Tarboro Knitting Co., Tarboro .....	45
	Ragan Knitting Co., Thomasville .....	25
	Liberty Hosiery Mill, Valdese .....	10
	*Pauline Knitting Mills, Valdese .....	20
	Waldensian Hosiery Mills, Valdese .....	50
	*Crescent Hosiery Co., Waynesville .....	100
	Indera Mill, Winston-Salem .....	10
	Total .....	2,557

## Georgia.

Climax Hosiery Mills, Athens  
Collier Mfg. Co., Bainesville  
\*Blue Ridge Knitting Mill, Blue Ridge  
\*The Cartersville Mills, Inc., Cartersville  
\*Barnes Knitting Mills, Cedartown  
\*Cornelia Hosiery Mills, Cornelia  
Dalton Hosiery Mill, Dalton .....

\*Forsyth Hosiery Mills, Forsyth  
Kincaid Knitting Mills, Griffin .....

\*Colier Mills, Macon .....

Kennesaw Hosiery Mills, Marietta  
\*Moreland Hosiery Mills, Moreland

Total

456

## Kentucky.

\*Louisville Knitting Co., Louisville .....

Preister Hosiery Mills, Paducah .....

Princeton Hosiery Mills, Princeton .....

Deamond Hosiery Mills, Williamsburg .....

Total

130

## Louisiana.

\*Floradel Knitting Co., New Orleans .....

## North Carolina.

Wiscasset Mills, Albemarle .....

Acme Hosiery Mills, Asheboro .....

Asheboro Hosiery Mills, Asheboro .....

Atkinson Hosiery Mills, Atkinson .....

Winner Hosiery Mills, Boiling Springs .....

\*Excelsior Knitting Mills, Bryson City .....

Brown's Hosiery Mills, Burlington .....

Edwin H. Gant Textile Works, Burlington .....

Graham Hosiery Mills, Burlington .....

Standard Hosiery Mills, Burlington .....

Crescent Mfg. Co., Canton .....

Charlotte Knitting Co., Charlotte .....

Gaston Knitting Mills, Cherryville .....

Collettsville Hosiery Co., Collettsville .....

Lily & Boone, Denton .....

Durham Hosiery Mills, Dunn .....

John O'Daniel Hosiery Co., Durham .....

Louise Knitting Mills, Durham .....

Edenton Hosiery Mills, Edenton .....

Ideal Hosiery Mills, Elizabeth City .....

Standard Mfg. Co., Elizabeth City .....

Parsley & Tanner, Forest City .....

Gibsonville Hosiery Mills, Gibsonville .....

\*Glen Alpine Knitting Mill, Glen Alpine .....

Durham Hosiery Mills, Goldsboro .....

Henderson Hosiery Co., Henderson .....

Elliott Knitting Mills, Hickory .....

Amos Hosiery Mills, High Point .....

Commonwealth Hosiery Mills, High Point .....

Crown Hosiery Mills, High Point .....

Durham Hosiery Mills, High Point .....

\*Guilford Hosiery Mills, High Point .....

\*Harris-Covington Hosiery Mills, High Point .....

Slane Hosiery Mills, High Point .....

Whittington Hosiery Mills, High Point .....

Louise Knitting Mills, Jonesboro .....

Kernersville Knitting Co., Kernersville .....

Vance Knitting Co., Kernersville .....

Shoaf-Sink Hosiery Mills, Lexington .....

Madison Hosiery Mills, Madison .....

McDowell Hosiery Mills, McDowell .....

Mayo Mills, Mayodan .....

Durham Hosiery Mills, Mebane .....

Sanford Knitting Mills, Mocksville .....

\*Vandois Knitting Mill, Morganton .....

25	*Fashion Mill, Athens .....	16
20	Tennessee Textile Mills, Alton Park .....	50
30	*Bothwell Hosiery Mills, Chattanooga .....	50
55	*Kyle Hosiery Mills, Chattanooga .....	75
14	Mountain City Knitting Mill, Chattanooga .....	15
40	*Wardlaw Hosiery Mills, Chattanooga .....	135
38	Knox Hosiery Mills, Cleveland .....	20
20	Magnet Knitting Mill, Clinton .....	65
42	Elizabethton Hosiery Mills, Elizabethhton .....	50
20	Englewood Mfg. Co., Englewood .....	15
40	Pryor Hosiery Mills, Jasper .....	20
50	Appalachian Mills, Knoxville .....	20
130	Holston Mfg. Co., Knoxville .....	150
220	Kingsport Hosiery Mills No. 2, Knoxville .....	125
25	Standard Knitting Mills, Knoxville .....	40
30	Magnet Knitting Mills No. 3, LaFollette .....	35
26	*Star Knitting Mills, Memphis .....	30
36	Sunshine Hosiery Mills, Murfreesboro .....	65
64	Davis-Hale-Ranson Co., Nashville .....	38
24	Hartford Hosiery Mills, Nashville .....	50
14	Louden Hosiery Mills, Newport .....	50
36	*Chilhowee Mills, Peceville .....	34
36	Loudon Hosiery Mills, Seviersville .....	100
69	Robinson-McGill Mfg. Co., Shelbyville .....	7
28	Aycock Hosiery Mills, South Pittsburg .....	25
2	*Aycock Hosiery Mills, Whitwell .....	50
42	Total .....	1,300

## Tennessee.

24	*Texas Hosiery Mill, Dallas .....	100
9	Total .....	100
11	Guy Hosiery Mill, Bristol .....	79
38	*Wood Hosiery Mill, Bristol .....	76
78	*Gem Hosiery Mill, Norfolk .....	16
85	*Virginia Hosiery Mill, Norfolk .....	30
39	*Petersburg Silk Hosiery Co., Petersburg .....	40
6	*Paul Knitting Mill, Radford .....	80
51	Total .....	321

## Total by States.

Alabama	112
Georgia	456
Kentucky	130
Louisiana	36
North Carolina	2,557
South Carolina	84
Tennessee	1,300
Texas	100
Virginia	321
Total	5,096

\*Indicates New Mills.

# Spinners Meeting at Spartanburg

## Spinners Meetin in Spartanburg.

About two hundred spinners, superintendents and others met in Spartanburg, S. C., last Friday to attend the first meeting of the Spinners' Section of the Southern Textile Association.

Carl R. Harris of Lancaster, who is chairman of the committee, presided. Others who assisted in conducting the meeting were H. H. Boyd, president of the Southern Textile Association, and Marshall Dilling, chairman of the Carders' Section.

The meeting was called to order at 10 o'clock and Mr. Harris introduced E. B. Whalen of the Cotton Research Company, who explained how the company had been organized by Lockwood, Greene & Co., and the Pacific Mills to solve the problems which arise in their plants.

Mr. Whalen said that the Research Department was established to make these tests that the men formerly made for themselves in the mills. He said it is a central place, particularly arranged for the work. He said "Our machinery has been turning over now only six months and I can tell you only in a general way how we go about this research work." He explained that the work is planned by a planning board which decides in what way a test shall be made. Length of staple, amount of waste, per cent of product are tested and as Mr. Whalen remarked, "we can tell what has happened to the cotton. We can tell by the resultant yarn what has been taken out."

He spoke of the necessity for being sure of the testing machines, because one man will make an experiment and find that the same yarn tested by another man, and they had found that some mills are using machines of two hundred pounds capacity and some of four hundred pounds capacity, some using hand machines and some using power machines. And also that in mill tests the humidity is not standard.

Mr. Whalen said that his department has not yet studied picking and carding as much as they should be studied. Speaking of strength of yarn he remarked that it seems difficult to some to understand how the strength of cotton can be increased when we don't add to it chemically, but if we consider that the principal of the survival of the fittest eliminates the weaker fibers it is easy to understand how the strength of cotton can be increased. He said, "We try to establish first a standard of strength for a yarn, based on the strength of cotton that goes into that yarn. We may not be able to reach it, but we have something to go after."

Mr. Whalen said that they had

not made sufficient tests on many grades of cotton to give out any information which would be of value. In stating that they had very little variation in their yarn and explained that mills could not get as good results on account of their test room being arranged so that they could control weights, moisture, temperature, etc.

In explaining the organization of the Cotton Research Company, Mr. Whalen said that the department is capitalized at \$125,000.00 has a \$110,000.00 of equipment, employs 36, expends annually \$100,000.00, has been running six months, and the directors have stated that the thing is paying for itself. He said that the department works only for Lockwood, Greene & Company and the Pacific Mills and affiliated companies and can not keep up with all the requests that come in from these plants.

Mr. Harris asked those present who were getting exceptionally good results on anything in their spinning room to explain same so that those present would get some benefit from the meeting and also that if any spinner was having trouble in any way to make it known and probably some one could offer suggestions which would remedy the situation. By doing this all present would be mutually benefitted by the meeting.

He suggested that the subject of speed be taken up first and as the speed was controlled to a certain extent by local conditions, cotton, etc., and those giving speed should tell number yarn, cotton, etc.

It was found that about an equal number of those present were running 20s and 30s yarns, and that others present were making from 8s to as high as 70s.

Mr. Harris asked if any one had experimented on speed of spindle, and several responded that they had.

T. W. Harvey of Millen, Ga., said that at one mill where he went as superintendent they were running two-ply warp, 6½ inch traverse, front roll speed 192, spindle speed 9,600, and shipped 14,000 pounds per week running night and day. The mill was equipped with Whitin gravity spindles. Mr. Harvey said he speeded the spindles up as high as he thought they would run and got less waste and spinners run more sides. Good grade cotton guaranteed to be one inch was used.

H. H. Boyd said he would like to establish a certain set of principles. "What results does twist have on cotton? Does it increase breaking strength?"

B. R. Burnham of Whitney, S. C., said they were twisting 30s a little above standard and by reducing twist to about 25 above standard 3 pounds in weight was gained.

Mr. Wikle, of Consolidated Textile Corporation, told of a particular mill which had been using a twist of 5.40. The breaking strength was not satisfactory and was reduced to 4.40 with an increase of 40 to 12 revolutions on front roll and better re-

sults were obtained. Mr. Wikle said condition of machinery had much to do with twist.

Mr. Burnham said "there is a happy medium which would be right but we found by reducing twist to a factor of 5.40 better breaking was obtained.

Mr. Wikle said that in mill referred to 1 to 1 1-6 inch North Georgia and Alabama cotton was used: 12 to 14 draft single roving. On finisher picker 12 oz. lap, 60 gram card sliver, slubbers 43 hank, intermediate 94, roving 3.56, 130 multiplier on roving. Breaking strength after improvement was 80 to 84 pounds.

Mr. Burnham asked if there was a standard spread for yarn breaking machine?

Mr. Whalen quoted Bureau of Standards as using 12 inches to minute, tire and rubber companies 20 inches per minute and ply yarns 10 inches to the minute.

E. C. Gwaltney, of Greenville, S. C.: I made elaborate tests at Winnsboro, the most elaborate tests I had ever made. I would keep the roving up about two weeks and under the same humidity conditions as possible. Our test machines we used 25, 50, 75 and 100 pound and we found the testing machines very inadequate. We tried all multiples of twist from four to 5½. The breaking strength went up to past 460 from that it dropped off very materially. We immediately put the mill on what we thought was the best twist. We were making 64 square goods. We put the weave room out of business and we changed the twist back. We found a great many spindle bands slipping and found we got the best results putting in about two teeth over the Draper standard. The solution was that there was so much slipping in the bands. The test of a weave room is an average of the threads not the strength of a single thread. Speeds and twist vary with cotton and local atmospheric conditions, static electricity in the air, etc. I have run mills, both North and South, and have found you can not lay down any hard and fast rules for twist and speeds.

Mr. Harris: All running tape drive please hold up their hands.

A. W. Young, of Cramerton, N. C., said he had 25,000 spindles with band drive and 21,000 with tape drive, and gets more even yarn and the spinners take more frames with tape drive. Mr. Young asked, What is the correct amount of yarn to use in testing, six inches, eight inches, ten inches or what? to get the average strength of ply yarns.

Mr. Boyd: What we would like to know now is what is the best twist. Mr. Gwaltney spoke of great variations. If we have a tape drive will it improve the running with less twist?

I. B. Covington, of Forest City, N. C., said: "I have both tape and band but have the finer numbers, 26½ on the band frames, and 13½ on tape drive. We have to test our cloth

every day. It has to break at a certain standard. We run all our filling on tape drive machines and our breaking strength has increased about four pounds since we started to use tape drive machines. In two-ply yarns we don't work the yarn very much and we make a softer yarn, but in making a single yarn you have to make it strong to go through the weaving. I find on testing at the slasher your yarn stretches too much. I get the best weaving results with about five times the square root, but when I go over that the result is not so good."

Mr. Gwaltney mentioned seeing tests made by Herbert Beatty in his laboratory at Pawtucket where Mr. Beatty had a machine built with one side bands and the other side tape drive. He said the variation shown with bands was 25 to 30 percent and the tape drive.

"In the Marlborough Mills," said Mr. Gwaltney, "I threw out ten thousand spindles band driven and put in 7,500 tape driven and used wide gauge and we got the same and better strength with the wide gauge than with band drive and separators."

Mr. Dilling said: "I have used the band and the tape drive and I think the tape drive is far superior and I would pay today twice as much for a tape drive as I would for band drive frames. I don't suppose we find one bobbin a week that we have to throw out for soft yarn. In a mill like Mr. Covington's with napped goods, without tape drive for filling he couldn't run with anything like the production he can get if he had the band drive."

Mr. Harris asked how many were using clutch spindles.

Several present gave their experience with clutch spindle and as a rule recommended them. Mr. Langley, of Abbeville, said he cut his filling waste in half by using them and had much less trouble. A number of mills are putting in the clutch spindle because of less waste and fewer tangled bobbins.

L. B. Gibson, of Fairmont, S. C., said there was usually no difficulty with soft yarn on clutch spindles, as all the bobbins were held down to the same position.

P. A. Smith, of Columbia, S. C., said there were two kinds of bobbins for use on clutch spindles, one of wood and one brass lined and that there had been some objection to the brass lined as they cut yarn in doffing.

Mr. Quinn, of Draper Corporation, said that the clutch spindles made now does not give any trouble and recommended the use of tape drives, as the less twist could be used. He also said that the first brass bushing bobbins did give trouble but explained that it was on account of being too short. This has been overcome now, he said, and while it is not necessary to put on brass bushing it is cheaper in long run, as it is not necessary to ream them out like wooden bobbins which swell

with moisture.

Mr. Harris then inquired as to number of doffers used and found some were using four doffers and a head doffer, some four, some three, some two and eight were using only one doffer.

One spinner said he used two doffers to a section of 12 frames, as this kept the doffers occupied and in the mill. He also said the head doffer is a figure head and of no use in the mill.

Mr. Harris told of one instance where they were running with one doffer to section and the spinners run enough at noon to get over 100 per cent production on spinning and they are not running over 15 minutes overtime.

Mr. Young said: "I contend that the head doffer is as necessary as a section man. I have a variety of numbers of yarn. I got one hundred per cent production last year, but I will not tell you how much more I got. I contend that in my particular case I get better work and more production by using four doffers to the section with a head doffer that I hold responsible. In some other cases two doffers may be sufficient but in my particular case there would be too much production lost."

Mr. Burnham said: "We are all interested in that one hundred per cent production Mr. Harris spoke of. I believe the one hundred per cent men here are the exception rather than the rule. You may run fifteen minutes over at noon. That isn't a large amount figured against ten hours. I think if you could make week, some front rolls every two

all the conditions in your room one hundred per cent conditions you could get one hundred per cent production in ten hours."

Mr. Harris said the mill he spoke of has no doffer but the section man helps the spinners and does the doffing by their help. They are all paid for getting production, he said. The mill is on 30s warp running around 113 r.p.m. front roll speed and has 125,000 spindles. A section man has 12 to 28 frames.

"When these men speak of their production I would like for them to refer to whatever standard they use, state that they get 100 per cent Howard & Bullough standard or 100 per cent Whitin or whatever standard they use," said Mr. Gwaltney.

Mr. Harris said he figured on front roll speed.

Mr. Boyd said they would also like to know the time run, whether it was ten or fifteen hours. Mr. Boyd said he knew of one mill which was getting 103 per cent production but was using entirely too much power. Upon investigation it was found he was running 130 per cent time and getting 103 per cent production.

"What kind of oil do you use?" asked Mr. Harris.

Discussion proved that in the past almost all kinds of oil from cylinder oil to expensive greases had been used but the majority of those present were now using non-fluid almost exclusively. Some of the spinners were oiling every other day, some every week, some oil front rolls once a week and back rolls twice a

weeks and back rolls every week.

Mr. Smith said: "When running at high speed my experience has been on 30s yarn we had to oil with loom oil or red engine oil twice a week under the saddle to keep it from running dry when we changed to non-fluid oil we oiled front rolls once a month and back rolls once a week. With this oil we got so much on that it got on the yarn, we reduced the amount of oil one-half. If you have the narrow saddle it will take less oil but cut the roller quicker but we have a wide saddle and it takes more oil, so I am running now one-half inch Haughton saddle and I oil front rolls twice a month and back rolls once a week.

Mr. Harris asked Mr. Smith if he used any less rolls now than before he changed over to non-fluid?

Mr. Smith said: "I use 300 rolls to 48 frames a week."

Mr. Harris then asked: "How many rolls should a spindle run a week? Will anybody tell how many they do run?"

"Most of them run as many as they can get," someone replied.

Mr. Burnham said: "As well as I can remember it is about one and a half to the side a week with an average of two hundred spindles to the side. Yarns average 17.50."

Mr. Harris asked if anyone had a system of oiling whereby they knew when each part of the machine has been oiled.

One spinner said he had a method which had saved a lot of bearings, gears, renecking of rolls and wear on top rolls. "It takes the second hand, section man and overseer to

get it," he said, "but you will try hard to maintain it if you get it." A certain day is set apart to oil each particular part of the frame and inspections are made to see that the work is being done.

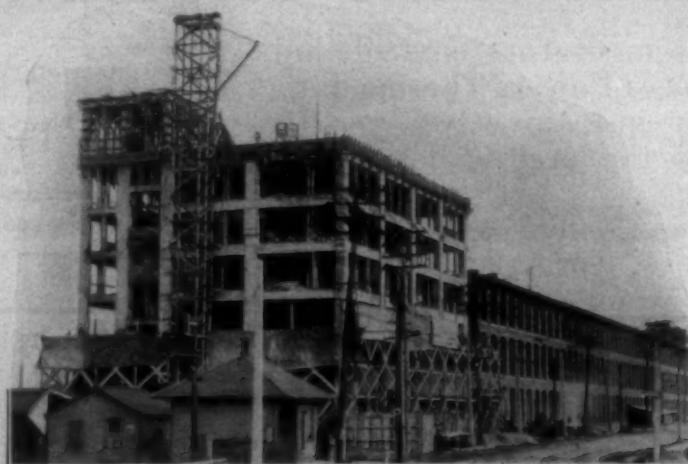
Mr. Gibson of Union said a certain man wrote an oil company for a chart to oil cotton mill machinery similar to the one used by the automobile manufacturers, and suggested that it would be a good plan for the machinery companies to furnish an oiling chart.

Mr. Burnham thought it would be better for the mill men to get up the chart. Several thought the mill men would probably have more information along this line than the machinery people.

Mr. Harris asked for remarks from machinery men present and Mr. Quinn recommended oiling with wicks every two weeks and without wicks every week, and with spindle oil not with loom oil. He told of a mill where he found trouble with spindles and it was due to the use of cylinder oil. He reported to the president of the mill and after Mr. Quinn had recommended using spindle oil and left the mill president wired the Draper Corporation to ship two barrels of spindle oil.

Mr. Harris said that in most mills the oiler did the banding and because it is hard to get the oiler to stop and tie on a band when he is oiling it would probably pay to cut down section men to fewer frames and have them do the banding, as proper bands have such an important bearing on production.

Wouldn't it even pay to give them



Progress Picture showing new development for the Utica Spinning Co. at Utica, N. Y. This is the first fabric plant of the Dunlop Tire & Rubber Corporation operating in connection with their new rubber plant at Buffalo.

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the extra pay that you would give a bander.

Mr. Smith said he had 61,000 spindles and employed a man to do nothing else but oil. This man has sores to come all over his hands and arms and that several men who have been on this job have all suffered with oil sores.

Some suggested that the oil manufacturer should be notified and the oil analyzed to see if the sores could not be overcome.

Meeting adjourned for lunch to meet again at three o'clock.

At the afternoon session the oiling of lifting rods was discussed for a few minutes. Most of those who spoke found lard most effective.

J. H. McCombs said that in order to get production and best results the overseer should look after detail, not do it himself but see that it was done. The employees at Union-Buffalo Mills, he said, are taught to look after detail. Each week he calls the overseers and section men together in a private room to make suggestions and criticise, and to study improvements, cleanliness, etc. These meetings are proving very helpful, he said. Mr. McCombs asked "What is the meaning of balanced twist as applied to ply and card yarns?"

Chairman Harris asked how many used wide enough gauge to eliminate use of separators?

Three held up their hands. Mr. Gwaltney said he took out the narrow gauge spindles in one mill and replaced them with wide gauge and got 50 per cent better production, even stronger yarn and cut cost of production 50 per cent. He fast."

said the separator is a greater evil than the slip of bands. Spinners of taking weights of middle roll.

Mr. McCombs said that with metallic rolls with no weights and plain rolls with weights he had obtained a breaking strength of 144 to 148 pounds on 23s yarns from 1% in. cotton, 1.07 draft. A better strength can be obtained by using metallic rolls, he said.

Several others expressed their belief that wide gauge and no separators meant greatly improved yarns at less cost.

Mr. Harris asked if anyone had made tests on making 30s yarn from single yarn.

One spinner reported that he had worn his patience out trying it and quit.

David Clark made statements that English never use double roving on yarns under 65s and asked why.

Mr. Gwaltney said he had visited some English mills during war and explained that the Englishman's method of selecting cotton was far superior to ours. "He don't let a 'nigger' mix his cotton. The great difference," he said, "is the Englishman cards and we make sliver." Their ability to make yarns from single roving comes from careful selection of cotton and slow carding, he said. "We don't know the A B C's of collecting cotton," Mr. Gwaltney said. He also said that we use the card clothing until it wears down to the knee and then throw it away while English use the clothing

about three years on fine yarn and then sell it to the coarse yarn man who uses it two or three years and sells it to the waste man who wears it out. In conclusion he said "the Englishman cards slow; we card too

The chairman asked for results known as the bicycle drive in which one motor drives two frames with one belt.

Mr. McCombs said that with metallic rolls with no weights and plain rolls with weights he had obtained a breaking strength of 144 to 148 pounds on 23s yarns from 1% in. cotton, 1.07 draft. A better strength can be obtained by using metallic rolls, he said.

Some spinners preferred No. 1 flange and some No. 2.

Chairman Harris asked what was the best draft for 30s warp yarns.

The replies were as follows, giving draft and hank roving respectively: 10.60, 6 1/4; 10.30, 6; 10.80, 5.88; 10.90, 5.8; 10.97, 5.75; 11.94, 5.30; 11 1/4, 5.45; 10.91, 5.30. E. P. Knowles reported that on 42s filling he had a draft of 12.80, roving 6.75. Several said this was good and many questions were asked which Mr. Knowles answered as follows: 42s filling, 6.75 roving, 12.80 draft, 105 speed front roll, spring draft 9, 1 inch cotton, 7993 spindle speed, card 100 lbs., Whiting spindles, band drive, 3 inch gauge, 1 1/2 travis filling twist 3.84. This was considered as a good record by those present.

In discussing spooler spindle speed it was brought out that increasing spooler on filling wind would result in better spool and decreasing on warp wind would make better spool.

There was a little discussion on warper speed and measuring rolls. Some claimed the brass roll and ball bearings better while others could see no difference.

L. B. Gibson, Fairmont, S. C., said he had a spinning drive which was

known as the bicycle drive in which one motor drives two frames with one belt. He said the speed varied on the two frames from 5 to 10 r.p.m. and asked for a remedy.

M. G. Stone, Pacolet Manufacturing Company, said he could offer an absolute remedy which was "throw away your old bicycle drive and put in individual drive."

Mr. Gibson said he had tried every kind of belt that had been suggested and made many other changes but had gotten no relief.

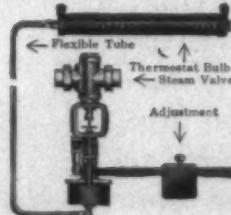
T. W. Harvey exhibited a fabric belt made by the L. H. Gilmer Company which he said he would like to try on the bicycle drive and promised Mr. Gibson that he would make test free of charge as he believed it would prove successful. He explained several instances where his belt was being used under unfavorable conditions and giving satisfactory results.

Some references were made by those present on weight and kind of cloth for rolls, cause of fluted rolls, how often to change spinning rings, roving multiplier for print cloth, etc.

J. V. McCombs again asked for the meaning of balanced twist of ply yarns.

A. W. Young, Cramerton, N. C., said he said made up an order for a concern which might be termed balanced twist owing to the construction but might not be an answer to Mr. McCombs' question. He explained how he made the yarn. First the yarn was spun with regular twist then put on twister and twisted in same way, then put back (Continued on Page 36)

## Why The Textile Industry Needs Powers Automatic Thermostatic Regulators



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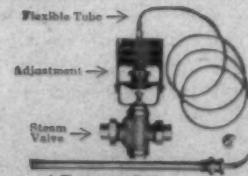
Automatic heat control prevents tearing when drying in the piece.

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Guly L. Morrison, Charlotte, N. C.

(1124-A)

# Mill Corporations of 50,000 Spindles

This list gives the number of spindles owned by each of the mill corporations. It does not include spindles not located in the South.

1. Riverside & Dan River Mills, Danville, Va.	415,000
(Have 16,800 additional spindles under construction).	
2. Victor-Monaghan Company, Greenville, Arlington, Greer, Jonesville, Seneca, Union and Walhalla, S. C.	241,376
3. Bibb Mfg. Company, Macon, Columbus, Porterdale and Reynolds, Ga.	226,656
4. Pacific Mills (South only), Columbia, S. C.	198,736
(Have 3,218 additional spindles under construction).	
5. Avondale Mills, Birmingham, Sylacauga, Pell City, Sycamore and Alexander City, Ala.	195,914
6. Consolidated Textile Corp. (South only), Lafayette, Ga., Pelham, Ga., Henderson, Ky., Burlington, N. C., Raleigh, N. C., Bonham, Tex., and Lynchburg, Va.	186,836
7. Cannon Mfg. Company, Kannapolis, N. C., Concord, N. C., and York, S. C.	175,672
8. Erwin Cotton Mills, West Durham, Duke and Cooleemee, N. C.	157,360
9. Woodside Cotton Mills Co., Greenville, Fountain Inn and Simpsonville, S. C.	153,920
10. Union-Buffalo Mills, Union and Buffalo, S. C.	152,800
11. Lancaster Cotton Mills, Lancaster, S. C.	139,608
12. Monarch Mills, Lockhart and Union, S. C.	136,712
13. Pelzer Mfg. Co., Pelzer, S. C.	136,000
14. Carolina Cotton & Woolen Mills, Spray, N. C., Draper, N. C., Leaksville, N. C., and Fieldale, Va.	133,848
15. Pacolet Mfg. Company, New Holland, Ga., and Pacolet, S. C.	132,664
16. Chadwick-Hoskins Company, Charlotte, N. C., Pineville, N. C., and Martinsville, Va.	119,676
17. Proximity Mfg. Co., Greensboro, N. C.	113,000
18. Loray Mills, Gastonia, N. C.	107,000
19. Merrimack Mfg. Co., Huntsville, Ala.	105,248
20. Mass. Cotton Mills, Lindale, Ga.	102,016
21. Fulton Bag & Cotton Mills, Atlanta, Ga.	100,000
22. Wiscasset Mills, Albemarle, N. C.	96,000
23. Mt. Vernon-Woodbury Mills, Talladega, Ala., and Columbia, S. C.	95,092
24. Brandon Mills, Greenville, S. C.	93,700
25. West Point Mfg. Company, Langdale, Fairfax and Shawmut, Ala.	92,000
26. Cabarrus Cotton Mills, Kannapolis and Concord, N. C.	88,000
27. Clifton Mfg. Co., Clifton, S. C.	86,800
28. Bemis Bros. Bag Co., St. Louis, Mo., and Bemis, Tenn.	86,164
29. Spartan Mills, Spartanburg, S. C.	85,000
30. Lanett Cotton Mills, Lanett, Ala.	83,532
31. Brookside Mills, Knoxville, Tenn.	82,403
32. Henrietta Mills, Caroleen and Henrietta, N. C.	75,116
33. Thomaston Cotton Mills, Thomaston, Ga.	75,000
34. Dwight Mfg. Co., Alabama City, Ala.	74,492
35. Easley Cotton Mills, Easley and Liberty, S. C.	74,008
36. Eagle and Phenix Mills, Columbus, Ga.	72,292
37. Anderson Cotton Mills, Anderson, S. C.	71,392
38. Revolution Cotton Mills, Greensboro, N. C.	71,000
39. Glenn-Lowry Mfg. Co., Whitmire, S. C.	70,354
40. F. W. Poe Mfg. Co., Greenville, S. C.	70,200
41. Ware Shoals Mfg. Co., Ware Shoals, S. C.	69,412
42. Piedmont Mfg. Co., Piedmont, S. C.	68,512
43. Clinton Cotton Mills, Clinton, S. C.	67,264
44. Gaffney Mfg. Co., Gaffney, S. C.	66,000
45. Clinchfield Mfg. Co., Marion, N. C.	65,184
46. Tucapau Mills, Tucapau, S. C.	65,000
47. Columbus Mfg. Co., Columbus, Ga.	64,608
48. John P. King Mfg. Co., Augusta, Ga.	63,036
49. Belton Mills, Belton, S. C.	62,400
50. Highland Park Mfg. Co., Charlotte, N. C., and Rock Hill, S. C.	62,080
51. Grendel Mills, Greenwood, S. C.	62,000
52. Orr Cotton Mills, Anderson, S. C.	60,760
53. The Trion Co., Trion, Ga.	60,000
54. Efird Mfg. Co., Albemarle, N. C.	59,848
55. Exposition Cotton Mills, Atlanta, Ga.	58,752
56. Republic Cotton Mills, Great Falls, S. C.	58,252
57. Dallas Mfg. Co., Huntsville, Ala.	57,792
58. Durham Hosiery Mills, Durham and Chapel Hill, N. C.	57,000
(Have 6,000 additional spindles under construction).	
59. Harriett Cotton Mills, Henderson, N. C.	55,000
60. Graniteville Mfg. Co., Graniteville and Vaucluse, S. C.	54,624
61. Mays Mills, Cramertown, N. C.	54,000
62. Washington Mills, Fries, Va.	53,760
63. Newnan Cotton Mills, Newnan, Ga.	53,000
64. American Spinning Co., Greenville, S. C.	52,640
65. Roanoke Mills Co., Roanoke Rapids, N. C.	
66. Judson Mills, Greenville, S. C.	

67. Cliffside Mills, Cliffside and Avondale, N. C.	51,524
(Will install 10,000 additional spindles).	
68. Darlington Mfg. Co., Darlington, S. C.	51,392
69. Marlboro Mills, Bennettsville and McColl, S. C.	51,000
70. Duncane Mills, Greenville, S. C.	50,720
71. Meritas Mills, Columbus, Ga.	50,000
72. Muscogee Mfg. Co., Columbus, Ga.	50,000
73. Crown Cotton Mills, Dalton, Ga.	50,000
74. Lane Cotton Mills, New Orleans, La.	50,000

## COTTON MILL GROUPS

This list arranges according to size the groups of mills of over 50,000 spindles. We have grouped the mills that are under each management. We have also included single mills of 50,000 or more spindles where such mills do not belong to groups.

1. J. W. Cannon Group, Cannon, Cabarrus, Franklin, Gibson, Kesler, Barringer, Tuscarora, Patterson, Edflrd, Wiscasset, Buck Creek, Imperial, Social Circle, Bloomfield, Paola.	603,860
(Have 10,000 additional spindles under construction).	
2. Riverside & Dan River Cotton Mills	415,000
3. W. E. Beattie Group, Victor-Monaghan Co. (8 mills) and Piedmont	310,788
4. Lockwood, Greene Group, Pacific, Wateree, Addison, Winnboro, Hogansville, LaGrange	294,184
(Have 42,158 additional spindles under construction).	
5. Erwin Group, Erwin, Durham, Pearl, Oxford, Locke and Alpine	244,600
6. Cone Group, Proximity, White Oak, Revolution, Minneola, Asheville and Salisbury	242,722
7. Leroy Springs Group, Lancaster, Kershaw, Fort Mill, Springstein and Eureka	234,080
8. Woodside Group, Woodside and Easley	227,928
9. Geo. H. Lanier Group, Lanett, Fairfax, West Point, Riverdale, Shawmut and Anchor	217,532
10. B. B. Comer Group, Avondale (8 mills) and Cowikee	209,478
11. F. E. Whitman Group, Union-Buffalo, Santee (2 mills) and Fairmont	199,104
12. Ellison A. Smith Group, Pelzer and Belton	199,036
13. Consolidated Textile Corp. Group. Own 8 mills and manage Postex	196,916
14. J. P. and B. B. Gossett Group, Riverside, Toxaway, Brogan, Pelham, Calhoun, Williamston and Cohannet	182,536
15. Victor Montgomery Group, Pacolet and Gainesville	175,008
16. Phinizy Group, Augusta, Sibley, Graniteville and Warren	174,136
17. W. H. Langley Group, Aiken, Langley, Seminole and Anderson	174,048
18. Aug. W. Smith Group, Brandon, Poinsett and Woodruff	165,508
19. Alfred Moore Group, Gaffney, Tucapau, Jackson and Fort Prince	162,184
20. C. W. Johnston Group, Highland Park, Anchor, Johnston, Brown, Norcott, Jewell, Eastern, Park Yarn and Belton	158,616
21. Emslie Nicholson Group, Monarch Mills (2 mills) and Excel-sior	142,328
22. Carolina Cotton and Woolen Mills	133,848
23. Ben D. Riegel Group, Ware Shoals and Trion	132,960
24. W. S. Montgomery Group, Spartan and Laurens	129,832
25. Robinson-Rankin Group, Lowell, Peerless, Avon, Dorothy, Elizabeth, Atherton, Robinson, Alba, Lola, Catawba, Globe, Aileen, Eureka and Wampum	128,584
(11,760 additional spindles under construction).	
26. W. S. Forbes Group, Henrietta, Edna and Cherokee Falls	128,436
27. D. D. Little Group, Marion, Clinchfield and Florence	120,800
28. Lineberger-Stowe Group, Acme, Chronicle, Climax, Crescent, Imperial, Majestic, National and Sterling	120,004
(Have 87,640 additional spindles under construction).	
29. Chadwick-Hoskins Company	119,676
30. Geer Group, Judson, Lois, Roswell and Laurel	108,490
31. Loray Mills, Gastonia, N. C.	107,000
32. Merrimack Mfg. Co.	105,248
33. Separk-Gray Group, Arlington, Flint, Gray, Myrtle, Parkdale and Arrow	104,336
(Have 43,000 additional spindles under construction).	
34. J. D. Hammett Group, Orr and Chiquola	103,280
35. Mass. Cotton Mills, Lindale, Ga.	102,016
36. Calloway Group, Elm City, Hillside, Valley Waste, Unity, Manchester and Milstead	101,692
37. Armstrong Group, Armstrong, Clara, Dunn, Mutual, Piedmont, Seminole, Victory, Winget, Monarch, Helen, Wymojo and Lockmore	101,444
(Have 22,000 additional spindles under construction).	
38. D. Y. Cooper Estate Group, Harriett and Henderson	101,184
39. Fulton Bag & Cotton Mills, Atlanta, Ga.	100,000

(Continued on page 49.)

# Textile Mill Floors Scrubbing Powder



## RECOMMENDATIONS

The following *good mills* don't hesitate to recommend and openly praise *Mi Cleanser* for their requirements and needs.

(Read *MI CLEANSER* Folder)

Wiscasset Mills Company, Albemarle, N. C.  
Feizer Manufacturing Co., Feizer, S. C.  
Clinchfield Mfg. Company, Marion, N. C.  
Monarch Mills, (Lockhart Plant), Lockhart, S. C.  
F. W. Poe Manufacturing Co., Greenville, S. C.  
Grenuei Mills, Nos. 1 and 2, Greenwood, S. C.  
Consolidated Textile Corporation, (Lynchburg Div. son), Lynchburg, Virginia.  
Thacker Spinning Company, Chattanooga, Tenn.  
Glenwood Cotton Mills, Easley, S. C.  
The Augusta Factory, Augusta, Georgia.  
Avondale Mills, Birmingham, Alabama.  
Standard Knitting Mills, Knoxville, Tenn.  
Newnan Cotton Mills, Newnan, Georgia.  
Marion Manufacturing Company, Marion, N. C.  
The Trion Company, Trion, Georgia.  
Woodruff Cotton Mills, Woodruff, S. C.  
Equinox Mills, Anderson, S. C.  
Gibson Migr. Company, Concord, N. C.  
Baldwin Cotton Mills, Chester, S. C.  
Cowkee Mill, Eufaula, Alabama.  
Asheville Cotton Mills, Asheville, N. C.  
Cherokee Spinning Company, Knoxville, Tenn.  
Eva Jane Mills, Sylacauga, Alabama.  
Alabama Cotton Mills, Speigner, Alabama.  
Adrian Migr. Company, Mount Holly, N. C.  
Central Mills, Sylacauga, Alabama.  
Jackson Mills, Anderson County, Iva, S. C.  
Spray Cotton Mills, Spray, N. C.  
Sally B. Mills, Sylacauga, Alabama.  
Paola Cotton Mills, Statesville, N. C.  
Covington Mills, Covington, Georgia.  
Magnolia Textile Corporation, Magnolia, Miss.  
Elk Cotton Mills, Dalton, Georgia.  
Eatonton Cotton Mills, Eatonton, Georgia.



And HUNDREDS of other **GOODS MILLS** are using and adopting *Mi Cleanser* and will recommend it later.

**MI CLEANSER** the perfected non-soluble cleaning, polishing, scouring and scrubbing powder—4—in—1.

*Manufactured Expressly for Textile Mill Floors—Good as the best then, some*

Where there is much **smoke**, fire must be somewhere—it is in the **merits** of *Mi Cleanser*.

We know and you will be convinced too if you will but try *Mi Cleanser*.

Satisfaction Guaranteed or no Charge.

**MI CLEANSER** will clean and not destroy anything. For Wooden Floors it has no equal, does not Cut, make Rough, or cause Splinters, takes off all kinds of Oil, Grease and Dirt, and leaves the floors Clean and White. **Absolutely** does not leave any **Scum**, Slick or Slippery surface.

### DIRECTIONS IMPORTANT

but very simple.

They are inclosed in top, also pasted on outside of the barrel, and if adhered to Strictly we shall have no doubt of the results obtained.

Special prices. For your requirements on Specified Date Shipments, let us quote you. No harm done. **Thanks.**



**Charlie Nichols**

*This is Me!*

*Howdy you Do!*

For Goodness Sake  
Try Mi-Cleanser

**"Cleanliness is next to Godliness"**

Clean your floors twice each week for your health's sake. *Mi Cleanser* makes them sanitary and healthful.

DON'T WAIT for our traveling salesmen—we have none. You are saved this annoyance, expense, loss of time, etc., but you reap the benefit in price when you buy *Mi Cleanser*.

If *MI CLEANSER* pleases you, tell your friends, if not, tell us and we will tell you the trouble.

Our business doubled itself in 1920 over 1919 and then some. And we will double our 1921 business if you will just try *Mi Cleanser* ONCE. Why not?

Your Mill Supply House will furnish you *Mi Cleanser*, or order direct from the factory.

**Made in America, and in "The Sunny South"**

**Established 1915**

Manufactured Only By

**Champion Chemical Co.**

Box 22, Glen Rock Station  
**ASHEVILLE, N. C., U. S. A.**

CHARLIE NICHOLS, General Manager

## CLASSIFICATION OF SOUTHERN MILLS

In the tables given below, an accurate tabulation of the spinning, weaving and knitting mills in the Southern States is shown, together with their equipment. The mills are grouped according to their equipment and product. Mills that spin only are grouped accordingly and the same is true of the mills that spin and weave, spin and knit, knit only and weave only. The table also gives the number of mills in each State, the number of spindles, looms and knitting machines, and the total figures, by States and for the whole South.

The convenient arrangement of the tables clearly shows each division of the mills, together with their equipment. This is the first time in which this information has been presented in this form and it should not only be interesting, but exceedingly valuable for reference purposes. The information contained in the tables compiled from Clark's Directory of Southern Textile Mills and figures are as of January 1, 1921.

STATE	SPINDLES						LOOMS				KNITTING MACHINES				Total Mills	Total Spindles	Total Looms	Total K. M.				
	Spin Only		Spin & Weave		Spin & Knit		Spin & Weave		Weave Only		Spin & Knit		Knit Only									
	Mills	Spindles	Mills	Spindles	Mills	Spindles	Mills	Looms	Mills	Looms	Mills	K. M.	Mills	K. M.								
Alabama	36	372,866	32	864,254	2	18,408	32	20,902	3	1,523	2	112	8	1,105	81	1,255,528	22,425	1,217				
Arkansas	1	6,656	1	7,800	—	—	1	133	—	—	—	—	—	—	2	14,456	133	—				
Georgia	49	562,466	86	2,081,444	7	62,112	86	47,534	2	416	7	3,106	29	3,349	173	2,706,022	47,950	6,455				
Kentucky	5	49,788	2	51,040	—	—	2	1,705	2	54	—	—	5	400	14	100,828	1,759	400				
Louisiana	1	5,184	2	90,000	1	8,000	2	2,100	—	—	1	400	2	161	6	103,184	2,100	561				
Mississippi	3	17,766	12	166,816	1	5,000	12	4,606	—	—	1	300	—	—	16	189,582	4,606	300				
Missouri	1	2,472	1	29,000	—	—	1	730	—	—	—	—	2	16	4	31,472	730	16				
N. Carolina	219	2,454,318	123	2,646,900	*11	246,728	122	71,536	10	2,026	9	2,985	151	16,518	512	5,321,450	73,562	19,502				
Oklahoma	—	—	1	5,712	—	—	1	64	—	—	—	—	—	—	1	5,712	64	—				
S. Carolina	32	282,114	128	4,751,258	1	5,616	128	117,802	6	214	1	360	13	1,265	180	5,038,988	118,016	1,626				
Tennessee	12	169,872	8	207,444	4	39,800	8	5,395	—	—	8	740	69	9,877	93	417,116	5,395	10,617				
Texas	3	14,096	16	144,284	—	—	16	3,858	—	—	—	—	1	100	20	158,380	3,858	100				
Virginia	2	15,378	10	602,980	—	—	10	17,483	—	—	—	—	16	2,190	28	618,358	17,483	2,190				
Total	364	3,952,976	422	11,648,932	27	385,664	421	293,848	23	4,233	29	8,003	296	34,981	1,131	15,951,076	2,980,081	42,984				

\*One mill included in this group has 26,496 spindles and also spins and weaves and is counted in that list.

## Cotton Mill Groups, Cont.

(Continued From Page 17)

40. S. F. Patterson Group, Roanoke and Rosemary.....	97,500
41. Standard Textile Products Group, Mobile (3 mills) and Meritas.....	95,530
42. Mt. Vernon-Woodbury Mills.....	95,092
43. Alex Long Group, Aragon, Arcade, Blue Buckle and Baldwin.....	92,456
44. Hightower Group, Thomaston and Aldora..... (Building Peerless Mills, 27,000 spindles).	88,874
45. W. C. Ruffin Group, Mayo, Washington and Twine.....	88,698
46. Bailey Group, Clinton and Lydia.....	88,512
47. J. P. Abney Group, Grendel and Ninety-Six.....	88,272
48. C. C. Twitty Group, Darlington and Hartsville.....	87,456
49. Clifton Mfg. Co., Clifton, S. C.....	86,800
50. Bemis Bros. Bag Co.....	86,164
51. Brookside Mills, Knoxville, Tenn.....	82,408
52. Huggins-Mitchell Group, Ashcraft, Martel, French Broad, Palmetto, Irene, Lexington, Valley Falls and Middleburg.....	75,828
53. Dwight Mfg. Co.....	74,492
54. Graham Group, Camperdown, Alice and Enoree.....	73,840
55. W. C. Hamrick Group, Limestone, Hamrick, Cash and Broad River..... (Have 15,000 additional spindles under construction).	73,520
56. Claud Gore Group, Marlboro, Raeford and Great Falls.....	72,848
57. Eagle and Phenix Mills.....	72,292
58. Glenn-Lowry Mfg. Company.....	71,000
59. F. W. Poe Mfg. Company.....	70,354
60. Thatcher Group, Coosa and Thatcher..... (Have 46,000 additional spindles under construction).	70,312
61. Ware Shoals Mfg. Company.....	70,200
62. Haggard Group, Glenwood and Pickens.....	68,056
63. W. P. Cole Group, Hannah Pickett and Steele's.....	66,500
64. J. L. McNair Group, Dickson, Scotland, Prince and Waverly.....	65,000
65. Columbus Mfg. Company.....	64,952
66. Ligon Group, Arcadia and Mills..... (Have 15,000 additional spindles under construction).	64,608
67. John P. King Mfg. Co.....	62,000
68. Orr Cotton Mills.....	61,396
69. John A. Law Group, Saxon and Chesnee.....	60,228
70. L. D. Tyson Group, Knoxville Cotton and Knoxville Spinning.....	60,000
71. Exposition Cotton Mills.....	58,848
72. Republic Cotton Mills.....	58,252
73. Durham Hosiery Mills.....	56,696
74. H. B. Jennings Group, Dresden, Jennings and Lumberton.....	56,490
75. Geo. W. Summer Group, Mollohon, Cochran and Fitzgerald.....	55,000
76. Mays Mills.....	54,000
77. Newnan Cotton Mills.....	53,760
78. American Spinning Co.....	53,704
79. Roht. E. Ligon Group, Gluck and Equinox.....	52,640
80. Judson Mills.....	51,524
81. Cliffside Mills.....	51,288
82. A. G. Myers Group, Myers, Dilling and High Shoals.....	51,024
83. W. L. Gassaway Group, Issaqueena and Courtney.....	50,724
84. Dunan Mills.....	50,096
85. K. S. Tanner Group, Spindale, Spencer, Cleghorn, Clover and Roseland..... (Have 18,500 additional spindles under construction).	50,000
86. Muscookee Mfg. Co.....	50,000
87. Crown Cotton Mills.....	50,000
88. Lane Cotton Mills.....	50,000

## Spindles On Market Yarns

It is very difficult to compile accurate statistics relative to the number of spindles upon each class of yarns as many mills change the numbers being made and those making several numbers vary the number of spindles upon each number of yarn. We do not guarantee the absolute accuracy of the tables given below but they have been compiled from sources of information that make them reasonably accurate. This list does not include mills that manufacture yarn to be woven or knitted in the South by mills under the same management. It is intended to show the number of spindles that produce yarn for the market.

## Spindles on Hosiery and Underwear Yarns.

Spindles.
64,564
181,608
340,250
264,150
326,124
75,736
30,032
81,144
1,364,608

## Spindles on Hard or Weaving Yarns.

(Single and Ply)
64,196
269,326
305,558
320,402
140,386
222,696
397,324
214,112
168,808
456,494
2,559,302

## Total Spindles on Market Yarns.

Spindles on hosiery and underwear yarns.....	1,364,608
Spindles on weaving yarns .....	2,559,302
Total manufacturing market yarns .....	3,923,910

# Mill Sales During 1920

One of the most interesting and unusual features of the Southern textile situation which developed during the high tide of prosperity during the early months of 1920 was the unusually large number of cotton mills that were sold. During 1920, twenty-four cotton mill plants changed hands, involving a tremendous sum of money. The combined capital stock of these mills which were sold was \$9,780,700. These plants had a total equipment of 430,550 spindles and 7,257 looms. While these sales were transacted in all of the Southern cotton manufacturing states, almost half of them took place in North Carolina. Of the total number 10 were located in that state, four in South Carolina, four in Georgia, two in Alabama, three in Mississippi and one in Tennessee.

The following list gives the mills that were sold, their equipment, capitalization and officers. It also includes consolidations.

The High Shoals Manufacturing Company, High Shoals, N. C., capital stock \$1,200,000; spindles 18,512; looms 524. These mills were purchased by the Armstrong chain of Gastonia, of which C. B. Armstrong, who has since died, was president. His successors has not been named. The former officers were Charles R. Hebbard, president; Sterling Graydon, secretary, and Geo. L. Krueger, treasurer. This is one of the best known plants in the South, Iude Gore, Rockingham, N. C., presi-

havent been built by D. A. Tompkins, of Charlotte, pioneer cotton secretary.

The Melville Mills, Cherryville, N. C., capital \$250,000; spindles, 5,000; present officers, J. Frank Love, president, and R. C. McLean, secretary-treasurer; former officers, W. A. Mauney, president; D. A. Rudisill, secretary and treasurer.

The Hamburger Cotton Mills, Columbus, Ga.; capital stock, \$200,000; spindles, 13,952. The control of this mill was purchased by W. C. Bradley, president of the Eagle and Phoenix Mills, Columbus, Ga. No change was made in the officers, which are as follows: Guy Garrard, president; R. K. Webb, treasurer.

Tombigbee Mills, Columbus, Miss.; capital stock, \$80,000; spindles, 8,452; looms, 252. This mill was purchased by W. M. Harris, New York, and T. A. Raworth, of Augusta, Ga.

Lowe Manufacturing Company, Huntsville, Ala.; capital stock, \$550,000; spindles, 27,000; looms, 612. Present officers, C. W. Causey, Greensboro, N. C., president; Chas. Lane Poor, New York, treasurer. Former officers, Horace F. Poor, New York, president; Chas. Lane Poor, treasurer.

Raeford Power and Manufacturing Company, Raeford, N. C.; capital stock, \$250,000; spindles, 10,000. Name of mill changed to Raeford Cotton Mills. President officers, Ca-

dent and treasurer; W. M. McRae, of Charlotte, pioneer cotton secretary.

Indian Creek Cotton Mills, Lincolnton, N. C.; capital stock, \$125,000; spindles, 2,724. Present officers, D. P. Rhopes, president and treasurer. Former officers, L. M. Rudisill, president; J. L. Lineberger, secretary and treasurer.

Demopolis Cotton Mills, Demopolis, Ala.; capital stock, \$145,000; spindles, 4,616. Present officers, E. C. Gwaltney, Greenville, S. C., president; W. W. Riddick, secretary and treasurer. This mill was formerly controlled by Elmore Brame & Co., Montgomery, Ala.

The Courtenay Manufacturing Company, Newry, S. C., capital stock, \$300,000; spindles, 25,344; looms, 4,616. This mill was bought by the Issaqueena Mills, Central, S. C., of which W. L. Gassaway, of Greenville, is president and treasurer. Campbell Courtenay, of Newry, was formerly president and treasurer.

The Exposition Cotton Mills, Atlanta, Ga.; capital stock, \$700,000; spindles, 60,000; looms, 1,566. The present officers are George S. Harris, president and manager, and P. E. Glenn, secretary and treasurer.

The Stonewall Cotton Mills, Stonewall, Miss.; capital stock, \$400,000; spindles, 21,000; looms, 475. This mill was purchased by the Crown Overall Company, of Cincinnati, O., from T. L. Wainwright and associates.

The Necronset Mills, Cumberland, N. C.; capital stock, \$450,000; spindles, 10,000. Name of mill changed to Corley Mills. Present officers, Clifton Corley, Greenville, president, and W. E. Dupre, secretary and treasurer. Former officers, W. H. Gray, Woodruff, S. C., president; Clifton Corley, manager.

Tipton Cotton Mills, Covington, Tenn.; capital stock, \$300,000; spindles, 6,448; looms, 168. Name changed to O'Cedar Mills. Present officers are Frank J. Callahan, president, Chicago, and Frank B. Flournoy, treasurer, Memphis, Tenn. The mill was formerly owned by the L. B. Channel Chemical Company of Chicago.

Winona Cotton Mills, Winona, Miss.; capital stock, \$90,700; spindles, 8,182. J. W. Sanders, who is now president and treasurer, and associates, purchased the plant from the Reliance Manufacturing Company, of Chicago.

Union Mills, Maiden, N. C., capital stock, \$248,000; spindles, 10,280. Present officers, C. E. Hutchison, Mt. Holly, president; L. A. Springs, secretary and treasurer. Former officers, D. F. Propst, president, and P. C. Costner, secretary and treasurer.

Francis Mills, Biscoe, N. C., capital stock, \$500,000; spindles, 7,680. Name of mills changed to Aileen Mills. Present officers, John C. Rankin, Lowell, N. C., president; Sterl-



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ing Graydon, Charlotte, secretary of Boston, Mass. The mill was formed and treasurer. Former officers, formerly owned by J. A. Glover, president; Frank Page, president; D. D. Brutton, secretary and treasurer.

Stony Point Manufacturing Company, Stony Point, N. C.; capital stock, \$350,000; spindles, 6,048. Name of mill changed to Rocky Face Spinning Company. Present officers, J. B. Hall, Statesville, N. C., president; Samuel Turner, secretary and treasurer. Former officers, A. W. White, president; A. L. Watts, secretary and treasurer.

Cherokee Falls Manufacturing Company, Cherokee Falls, S. C.; capital stock, \$200,000; spindles, 28,020; looms, 564. Present officers, W. S. Forbes, Richmond, Va., president; F. O. Tichenor, secretary and treasurer.

Wampum Mills, Lincolnton, N. C.; capital stock, \$700,000; spindles, 14,000. Present officers, S. M. Robinson, Lowell, N. C., president; J. L. Lineberger, secretary and treasurer. J. H. Abernethy was formerly president and treasurer.

Kindley Cotton Mills, Mt. Pleasant, N. C.; capital stock, \$200,000; spindles, 3,744. President, John McCaless, Salisbury, N. C.; treasurer, M. B. McCaless. This mill was formerly owned by A. N. James, who was president and treasurer.

The Bamberg Cotton Mills, Bamberg, S. C.; capital stock, \$140,000; spindles, 12,384; looms, 120. Control of this plant was purchased by the Santee Mills, Orangeburg, S. C., of which John H. Cope is president.

The Anchor Duck Mills, Rome, Ga., capital stock, \$1,000,000; spindles, 29,000; looms, 336; were purchased by Wellington Sears & Co., president; G. M. Greely, treasurer.

The Quitman Mills, Quitman, Ga.; capital stock, \$500,000; spindles, 13,104; looms, 348. Present officers, R. P. Brooks, president; C. P. S. Denmark, secretary and treasurer. Former officers, S. S. Rountree, president, and E. S. Perry, secretary and treasurer.

The Eastley Mills, with three plants, Mill No. 1, at Eastley, S. C., and Mills Nos. 2 and 3, at Liberty, S. C. Combined capital stock, \$450,000; spindles, 74,008; looms, 1,820. The sale of these three plants to the Woodside interests, of Greenville, was the largest sale during the year, where equipment of the plant was concerned. The sale involved \$3,000,000. Present officers of the company are E. S. Woodside, president; J. D. Woodside, treasurer, and John B. Woodside, secretary. The former officers were B. E. Geer, president and treasurer; W. H. Geer, secretary, both of Greenville.

Sibley Manufacturing Company, Augusta, Ga.; capital stock, \$900,000; spindles, 40,864; looms, 1,266. President, Jacob Phinizy; treasurer, S. A. Fortson. The former officers were: President and treasurer, T. S. Raworth.

Hutcheson Manufacturing Company, Banning Co. Name of mills changed to Banning Cotton Mills. Capital stock, \$400,000; spindles, 5,200; looms, 80. Present officers,

Echota Mills, Calhoun, Ga.; capital stock, \$226,000; spindles, 12,032; looms, 294. President, J. H. Strain; treasurer, H. F. Jones. A. H. Christian was formerly treasurer.

Cochran Cotton Mill Company, Cochran, Ga.; capital stock, \$77,600; spindles, 5,000; looms, 134. Present officers, Geo. W. Summer, Newberry, S. C., treasurer; D. E. Duggan, Hawkinville, Ga. Former officers, President, T. D. Walker; treasurer, W. L. Beyer.

Jewel Mills, Jewel, Ga. Name of mill changed to Jewel Cotton Mills Company. Capital stock, \$250,000; spindles, 6,128; looms, 185. Present officers, J. Erwin Gant, president and treasurer. Former officers, D. A. Jewel, president; J. B. Cody, secretary.

Lavonia Cotton Manufacturing Company, Lavonia, Ga.; capital, \$150,000; spindles, 8,000. Present officers, R. T. Poole, secretary and treasurer; Thomas D. Smith. Former officers, T. P. Adams, Macon, Ga., president; Thomas D. Smith, secretary and treasurer.

Beverly Cotton Mills, Middleton, Ga. Name of mill changed to Pitts Cotton Mills; spindles, 7,344. Present officers, M. B. Pitts, proprietor. Former officers, F. M. McGhee, Greenwood, S. C., president and treasurer.

Floyd Cotton Mills, Rome, Ga., purchased by Echota Cotton Mill, Calhoun, Ga. Name changed to Echota Mill No. 2. Present officers, Lawrence Cotton Mills, Durham, J. H. Strain, president; H. S. Jones, Spindles, 8,462. Present officers, C. treasurer. Former officers, J. N. I. Jones, Salisbury, N. C., president and treasurer. Former officers, J. King, president and treasurer.

Henderson Cotton Mills, Henderson, Ky., purchased by Consolidated

Textile Corporation. Name changed to Henderson Division, Consolidated Textile Corporation. Capital stock, \$500,000; spindles, 49,504; looms, 1,697. Former officers, James E. Rankin, president; Paul J. Marrs, secretary and treasurer.

Orleans Cotton Mills, New Orleans, La. Name changed to Magnolia Textile Corporation. Capital stock \$150,000; spindles, 5,184. President, Harris Hyman; secretary-treasurer, A. K. Landau. Former officers, W. Loeber Landau, president; A. K. Landau, treasurer.

Lauderdale Cotton Mills, Meridian, Miss.; capital stock \$119,300; spindles, 12,700; looms, 482. Present officers, J. F. Hughes, president; E. P. Hughes, secretary. Former officers, K. A. Threefoot, secretary and treasurer, J. W. Sanders.

Hopahka Cotton Mill Co., Moorhead, Miss., purchased and now operated as a branch of Magnolia Textile Corporation, New Orleans. Spindles, 5,000; looms, 144. Former officers, John B. Doyle, president and treasurer; W. S. Fullerton, secretary.

The Delburg and Linden Mills, Davidson, N. C., controlled by the same management, were merged under the head of the Delburg-Linden Co. The two mills are capitalized at \$500,000 and have 16,920 spindles.

Dr. J. P. Munroe, of Charlotte, is secretary and treasurer.

Lawrence Cotton Mills, Durham, J. H. Strain, president; H. S. Jones, Spindles, 8,462. Present officers, C. treasurer. Former officers, J. N. I. Jones, Salisbury, N. C., president and treasurer. Former officers, J. M. Norwood, Salisbury, president.

(Continued on page 33.)

# HYDRO EXTRACTORS

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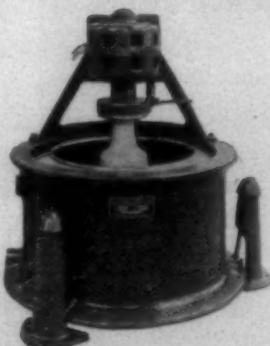
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# Purchasing Agents for Southern Mills

Wallace Plant, Jonesville, S. C. ....	15,584	424
	935,158	24,291



**Sam R. Zimmerman Purchasing Agent.**

The following is a list of the mills for which Sam R. Zimmerman, of Greenville, S. C., does the buying:

	Spindles	Looms
American Spinning Co., Greenville, S. C. ....	53,760	1,104
Anniston Mfg. Co., Anniston, Ala. ....	14,284	360
Aragon Cotton Mills, Rock Hill, S. C. ....	23,552	566
Arcade Cotton Mills, Rock Hill, S. C. ....	18,576	452
Baldwin Cotton Mill, Chester, S. C. ....	31,488	790
Blue Buckle Cotton Mill, Rock Hill, S. C. ....	18,840	1,000
Camperdown Mills, Greenville, S. C. ....	14,208	612
Dunean Mills, Greenville, S. C. ....	50,720	1,200
Enoree Mills, Enoree, S. C. ....	36,000	842
Excelsior Knitting Mills, Union, S. C. ....	5,616	...
Graniteville Mfg. Co., Graniteville, S. C. ....	57,000	1,694
Manetta Mills, Lando, S. C. ....	18,000	333
Monarch Mills, Union, S. C. ....	78,528	1,825
Monarch Mills, Lockhart Plant, Lockhart, S. C. ....	57,184	1,604
Panola Cotton Mills, Greenwood, S. C. ....	17,472	400
Piedmont Mfg. Co., Piedmont, S. C. ....	69,412	1,972
F. W. Poe Mfg. Co., Greenville, S. C. ....	70,354	1,700
Victoria Cotton Mill, Rock Hill, S. C. ....	17,460	627
Virginia Mfg. Co., Fountain Inn, S. C. ....	5,248	...
Warren Mfg. Co., Warrenton, S. C. ....	36,080	1,000
Victor-Monaghan Mills—		
Apalache Plant, Greers, S. C. ....	19,712	500
Greers Plant, Greers, S. C. ....	25,600	730
Monaghan Plant, Greenville, S. C. ....	60,032	1,540
Ottaray Plant, Union, S. C. ....	22,656	540
Seneca Plant, Seneca, S. C. ....	19,840	450
Victor Plant, Greers, S. C. ....	59,136	1,511
Walhalla Plant, Walhalla, S. C. ....	18,816	510



**Luther M. McBee, Jr., Purchasing Agent.**

The following is a list of the mills for which Luther M. McBee, Jr., of Greenville, S. C., does the buying:

	Spindles	Looms
Alice Mills, Easley, S. C. ....	23,552	532
Banna Mfg. Co., Goldville, S. C. ....	14,224	352
Belton Mill, Belton, S. C. ....	63,036	1,400
Brandon Mills, Greenville, S. C. ....	93,700	2,263
Brevard Cotton Mill, Brevard, N. C. ....	4,100	...
Brogan Mills, Anderson, S. C. ....	27,780	900
Calhoun Mills, Calhoun Falls, S. C. ....	25,600	600
Cherokee Spinning Co., Knoxville, Tenn. ....	15,000	...
Clinton Cotton Mills, Clinton, S. C. ....	68,512	1,522
Cohannett Mills, Fingerville, S. C. ....	9,000	...
Conestee Mills, Greenville, S. C. ....	20,292	505
Courtenay Mfg. Co., Newry, S. C. ....	25,344	624
Cowpens Mills, Cowpens, S. C. ....	17,360	384
Franklin Mills, Greer, S. C. ....	11,120	385
Georgia Cotton Mills, Griffin, Ga. ....	28,000	910
Glenwood Cotton Mills, Easley, S. C. ....	45,016	1,160
Greenwood Cotton Mills, Greenwood, S. C. ....	48,880	1,000
Hartwell Mills, Hartwell, Ga. ....	8,080	216
Hermitage Cotton Mills, Camden, S. C. ....	16,640	390
Issaqueena Mill, Central, S. C. ....	25,680	630
Judson Mills, Greenville, S. C. ....	52,640	1,233
Lois Cotton Mills, Douglasville, Ga. ....	21,760	520
Lydia Cotton Mills, Clinton, S. C. ....	20,000	500
Necronsett Mills, Cumberland, N. C. ....	10,000	...
Norris Cotton Mills Co., Cateechee, S. C. ....	19,968	452
Oakland Cotton Mills, Newberry, S. C. ....	26,432	600
Osage Mfg. Co., Bessemer City, N. C. ....	16,272	400
Pelham Mills, Pelham, S. C. ....	10,156	...

Pelzer Mfg. Co., Pelzer, S. C.	136,000	3,100	Consolidated Textile Corp.—		
Pendleton Cotton Mill, Autun, S. C.	3,250	...	Bonham Division, Bonham, Tex.	15,776	433
Mills Mill, Greenville, S. C.	31,000	816	Ella Division, Shelby, N. C.	11,320	241
Pickens Mill, Pickens, S. C.	23,040	606	Henderson Division, Henderson, Ky.	49,504	1,697
Poinsett Mills, Greenville, S. C.	27,756	726	Lynchburg Division, Lynchburg, Va.	56,796	1,424
Rabell Mfg. Co., Selma, Ala.	12,480	312	Ossipee-Hopedale Div., Burlington, N. C.	18,728	355
Republic Cotton Mills, Great Falls, S. C.	59,848	1,320	Pelham Division, Pelham, Ga.	12,128	360
Riverside Mfg. Co., Anderson, S. C.	47,360	...	Pilot Division, Raleigh, N. C.	10,752	425
Toccoa Cotton Mills, Toccoa, Ga.	8,500	256	Postex Division Mills, Post, Tex.	10,080	296
Toxaway Mills, Anderson, S. C.	30,384	788	Union Division, Lafayette, Ga.	23,152	462
Union Bleaching & Finishing Co., Greenville, S. C.	...	...	D. E. Converse Co., Glendale, S. C.	36,444	980
Vardry Cotton Mills, Greenville, S. C.	4,320	...	Darlington Mfg. Co., Darlington, S. C.	51,392	1,243
Watts Mills, Laurens, S. C.	43,200	984	Deep River Mills, Randleman, N. C.	18,320	878
Williamston Mills, Williamston, S. C.	32,256	750	Eastside Mfg. Co., Shelby, N. C.	10,240	260
Woodruff Cotton Mills, Woodruff, S. C.	44,052	910	Edna Cotton Mills, Reidsville, N. C.	25,300	540
	1,270,590	28,106	Erlanger Cotton Mills, Lexington, N. C.	46,000	1,100
			Eureka Cotton Mills, Chester, S. C.	25,752	600
			Fairmont Mfg. Co., Fairmont, S. C.	12,608	328
			Florence Mills, Forest City, N. C.	18,960	536
			Fort Mill Mfg. Co., Fort Mill, S. C.	42,000	1,249
			Fountain Cotton Mills, Tarboro, N. C.	6,528	...
			Gainesville Cotton Mill, Gainesville, Ga.	43,008	1,220
			Griffin Mfg. Co., Griffin, Ga.	31,000	940
			Hamrick Mills, Gaffney, S. C.	25,000	624
			P. H. Hanes Knitting Co., Winston-Salem, N. C.	27,000	...
			Hart Cotton Mills, Tarboro, N. C.	16,000	200
			Hartsville Cotton Mill, Hartsville, S. C.	36,064	880
			Holt, Gant & Holt Mfg. Co., Elon College, N. C.	6,500	285
			Holt-Granite Mills Co., Haw River, N. C.	20,784	686
			L. Banks Holt Mfg. Co., Graham, N. C.	29,100	1,052
			Henrietta Mills, Caroleen, N. C.	48,416	1,059
			Henrietta Mills, Henrietta, N. C.	26,700	710
			E. M. Holt Plaid Mills, Burlington, N. C.	...	426
			Inman Mills, Inman, S. C.	40,096	1,000
			Kershaw Cotton Mills, Kershaw, S. C.	12,160	482
			Kineaid Mfg. Co., Griffin, Ga.	48,800	1,672
			Lancaster Cotton Mills, Lancaster, S. C.	139,608	3,006
			Limestone Mills, Gaffney, S. C.	25,000	650
			Loray Mills, Gastonia, N. C.	107,000	...
			Lowe Mfg. Co., Huntsville, Ala.	27,000	612
			Marion Mfg. Co., Marion, N. C.	35,840	840
			Marlboro Cotton Mills, McColl, S. C.	36,000	110
			Marlboro Cotton Mills, Bennettsville, S. C.	15,000	...
			Martinsville Cotton Mill Co., Martinsville, Va.	17,920	444
			Mayo Mills, Mayodan, N. C.	24,696	...
			Mollohun Mfg. Co., Newberry, S. C.	40,190	1,012
			Oconee Mills Co., Westminster, S. C.	13,000	298
			Pacolet Mfg. Co., New Holland, Ga.	57,580	1,765
			Pacolet Mfg. Co., Pacolet, S. C.	75,184	2,080
			Pomona Mills, Greensboro, N. C.	24,416	650
			Puritan Mills Co., Fayetteville, N. C.	10,192	434
			Rushton Cotton Mills, Griffin, Ga.	14,960	354
			Saxon Mills, Spartanburg, S. C.	41,216	1,000
			Spartanburg County Mill, Spartanburg, S. C.	5,000	...
			Spencer Mills, Spindale, N. C.	8,704	...
			Spindale Mills, Spindale, N. C.	5,520	...
			Springstein Mills, Chester, S. C.	14,560	570
			Stonecutter Mills Co., Spindale, N. C.	...	400
			Twine Mills Corp., Roanoke, Va.	9,378	...
			Union-Buffalo Mills Co., Union, S. C.	89,920	2,432
			Victory Mfg. Co., Fayetteville, N. C.	14,336	430
			Washington Mills, Fries, Va.	54,624	1,550
			Kennonah Cotton Mill Co., Lexington, N. C.	12,736	378
			White-Williamson Co., Graham, N. C.	8,200	200
			Whitney Mfg. Co., Whitney, S. C.	30,652	850
			Yadkin Finishing Co., Salisbury, N. C.	...	...
				2,335,656	55,988



E. S. Tennent, Purchasing Agent.

The following is a list of the mills for which E. S. Tennent, of Spartanburg, S. C., does the buying:

	Spindles	Looms
Abbeville Cotton Mills, Abbeville, S. C.	28,900	964
Arcadia Mills, Arcadia, S. C.	33,952	780
Arista Mills Co., Winston-Salem, N. C.	17,500	446
Beaumont Mfg. Co., Spartanburg, S. C.	42,864	836
Bellwill Cotton Mills, Wilmington, N. C.	7,616	353
Broad River Mills, Blacksburg, S. C.	13,280	324
Cash Mills, Gaffney, S. C.	10,240	250
Chadwick-Hoskins Co., Charlotte, N. C.	90,320	2,001
Chadwick-Hoskins Co., Pineville, N. C.	11,336	312
Cherokee Falls Mfg. Co., Cherokee Falls, S. C.	28,020	564
Chesnee Mills, Chesnee, S. C.	20,160	440
Cleghorn Mills, Rutherfordton, N. C.	7,328	...
Clifton Mfg. Co., Clifton, S. C.	86,800	2,660
Clinchfield Mfg. Co., Marion, N. C.	66,000	1,600

Allen Jones, Purchasing Agent.

209 Broadway, New York.

	Spindles	Looms
Lexington Mfg. Co., Lexington, S. C.	6,784	204
Middleburg Mills, Batesburg, S. C.	10,624	320
Palmetto Cotton Mills, Columbia, S. C.	10,320	300
Saxe Gotha Mills, Lexington, S. C.	11,200	283
Martel Mfg. Co., Egan, Ga.	11,220	382
French Broad Mfg. Co., Asheville, N. C.	5,712	416
Ashcraft Cotton Mills, Florence, Ala.	7,488	201
Trainer Spinning Co., Chester, Pa.	14,592	12
Beaver Mills, North Adams, Mass.	32,392	14
Beaver Mills, Waterford, N. Y.	25,392	12
Valley Falls Mfg. Co., Spartanburg, S. C.	12,480	300
	148,204	2,149

# SOUTHERN TEXTILE BULLETIN

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THURSDAY, JANUARY 27, 1921

## Our Annual Review.

Our Annual Review Number of this week is upon a larger scale than ever before and contains many tables of interesting statistics.

Much of this information has never been compiled or published before and will be found worthy of careful study.

We show that there are 15,961,076 spindles, 298,081 looms and 42,984 knitting machines in Southern cotton mills and that 663,446 spindles were installed during 1920.

Clark's Annual Spindle Increase List published on page eleven of this issue shows a detail list of the 663,446 spindles installed in Southern mills during 1920.

The record of past years has been:

Year	Spindles
1912	803,882
1913	435,300
1914	329,410
1915	340,886
1916	619,682
1917	546,168
1918	319,546
1919	425,844
1920	663,446

The spindles installed in 1920 arranged by States were as follows:

	Spindles.
Alabama .....	47,916
Georgia .....	142,780
Kentucky .....	1,000
Mississippi .....	43,628
North Carolina .....	326,212
South Carolina .....	45,890
Tennessee .....	12,980
Texas .....	9,276
Virginia .....	63,764

Total installed in South, 663,446 kind which still form the bulk of ent.

the production of our Southern mills.

A very interesting table shows, arranged according to size, the 74 mill corporations that have 50,000 or more spindles. The list is headed by the Riverside and Dan River Mills of Danville, Va., with 415,000, the nearest competitor being the Victor-Monaghan Co., with a total of 241,376 spindles in eight mills in various South Carolina towns.

Upon the much discussed question of the largest mill which we consider to mean one continuous set of buildings we rule that the Schoolfield Division of the Riverside and Dan River Division with approximately 275,000 spindles is entitled to first place with the Lancaster Cotton Mills, Lancaster, S. C., with 139,608 spindles as second largest.

Arranging the mills in groups and counting as group independently managed single mills we find that there are 88 instances where there are more than 50,000 spindles under one management.

The mills controlled by J. W. Cannon and his sons stands far in the lead with 603,860 spindles.

The Riverside and Dan River Mills with its 415,000 spindles exceeds the total in any other group and is entitled to second place.

It was noted last year that North Carolina had for the first time in her history passed South Carolina in the number of spindles and it is now noted that North Carolina has begun to take a considerable lead.

During 1919 and 1920 North Carolina increased her spindles by 529,000 while South Carolina made an increase of only 92,000.

At the present time North Carolina has 408,000 additional spindles bought as against 79,000 for South Carolina.

In 1919 North Carolina installed 1,560 of the 2,901 knitting machines placed in the South and in 1920 again held the record of over 50 per cent by installing 2,957 of the 5,900 knitting machines added in the South.

The various tables compiled for our Annual Review Number are well worth keeping, for they certainly are valuable and accurate statistics, much of which have never previously been published.

## The Spinners' Meeting.

On account of this being our Annual Review Number, we are unable to devote very much of our space to the meeting of the Spinners' Division of the Southern Textile Association at Spartanburg, S. C., last Friday, but the meeting was a success from every standpoint and there were approximately 165 men present.

Carl A. Harris, of Lancaster, S. C., chairman of the Spinners' Division, presided over the meetings and there were many favorable comments upon the able manner in which he handled the proceedings.

The first session opened with a talk by E. B. Walen, manager of the Research Department of Lockwood, Green & Co. Mr. Walen explained the work of his department and told what they were trying to accomplish. The first subject under discussion was spindle speeds, the discussion being led by T. W. Harvey, B. R. Burnham, E. C. Gwaltney, E. B. Walen and Robertson Wikle.

The tape drive discussion brought forth very strong recommendations by A. W. Young, I. B. Covington and others, while W. M. Taylor, W. H. Gibson, Jr., A. Culberson, L. B. Gibson, M. B. Lancaster, B. R. Burnham, M. G. Stone and Peter Quinn told of their experience with cloth speeders their experience with clutch spindles and very strongly commended them.

System of oiling were discussed by W. M. Langley, R. B. Burnham, P. A. Smith and others and the proper allowance of top rolls was also considered.

The advantage of wide gauge spinner and the results obtained were enthusiastically described by E. C. Gwaltney, G. M. Dean, C. P. Thompson, J. V. McCombs, Marshall Dilling and A. W. Young.

A discussion in break draft was lead by Carl R. Harris and P. A. Smith.

Double roving was discussed by E. C. Gwaltney, David Clark and T. W. Harvey.

The results of No. 4 flange rings were discussed by R. B. Burnham, J. V. McCombs and W. P. Loftis.

The meeting adjourned and those present took lunch together at the Cleveland Hotel.

David Clark presided over the lunch. An address of welcome was delivered by J. F. Crook of the Spartanburg Chamber of Commerce and a talk was made by E. G. Wilson of the Interurban Y. M. C. A.

Short talks were also made by former presidents of the Southern Textile Association, M. G. Stone, and Charles F. McCall, and by President H. H. Boyd.

F. R. Corwin, of the V. M. C. A., led the singing.

## Afternoon Session.

A special request was made for drafts on 30-warp yarn and it was found that the drafts used by those present varied from 10.20 to 11.94.

A similar request on 42s filling showed that drafts varied from 11.75 to 12.80. Spindle speed and spoolers, speed of warpers and the use of cam

## SOUTHERN TEXTILE BULLETIN

drive on warpers came in for short discussions. Ball bearings on warper measuring rolls were highly commended, several stating that it reduced the warper beam waste to less than one and a half pounds.

A comparison of group four frame and bicycle drive was discussed by J. V. McCombs, A. B. Burnham, W. H. Gibson, Jr., and W. G. Stone.

T. W. Harvey advocated fabric belting, but his opinion was opposed by W. H. Gibson, Jr., H. H. Boyd and J. A. Chapman, Jr.

The advantages of chain drive and the amount of variation in speed from such drives was discussed by Robertson Wikle, H. H. Boyd, W. J. Butler and others.

W. J. Butler and Mr. Hawkins discussed the proper cloth for spinning roll covering.

The proper system of changing travelers on 30s yarns and the prevention of fluting of top rolls was discussed and also the best multiples for roving for 30s yarns.

A very interesting discussion developed upon the matter of balanced twist, the discussion being led by J. V. McCombs, H. H. Boyd and A. W. Young.

It was voted to hold another meeting of the Spinners' Division next September.

**Alleges Mills Can Pay 40 Cents for Cotton.**

The following has been sent to Cotton and Cotton Oil News of Dallas, Texas, as that publication has editorially charged that cotton mills can today pay 40 cents per pound for cotton and make money manufacturing yarns and cloth:

Editor Cotton and Cotton Oil News, Dallas, Texas.

Dear Sir:

We note with much interest your editorial in your issue of January 17th entitled "The Situation." We especially notice the following statement:

"We have contended all the while that the statistical position of the cotton market was sound and that the spinners are able at present prices to pay 40 cents per pound for cotton and make all kinds of money."

In view of this statement we wish to give you the following as the full market price today of the leading articles of cotton goods and yarns sold by Southern cotton mills:

6s to 10s yarn, 29 cents per pound.  
12s to 14s yarns, 30½ cents per pound.

16s yarns, 31 cents per pound.  
20s yarns, 32 cents per pound.  
24s yarns, 34½ cents per pound.  
26s yarns, 35 cents per pound.  
30s yarns, 37 cents per pound.  
2.85 yard sheetings, 10½ cents per yard, 30 cents per pound.

3 yard sheetings, 11 cents per yard, or 33 cents per pound.  
3.60 yard sheetings, 10 cents per yard, or 36 cents per pound.

4.25 yard sheetings, 8 cents per

yard, or 34 cents per pound.

5.00 yard sheetings, 7½ cents per yard, or 37 cents per pound.

The above represents a very large per cent of the total volume of goods produced by Southern cotton mills and you will note that the price received for the goods is in each case less than 40 cents per pound, and yet your editorial states that the mills can pay 40 cents per pound for cotton and "make all kinds of money."

If you doubt these statements and reputable merchants in your State will wire an offer of 40 cents per pound for 5,000,000 yards of 3 yard and 4 yard sheetings and drills, we will guarantee the delivery of the goods at that price provided there has been no advance in cotton. As a matter of fact the mills are finding it difficult to buy cotton at 45 cents and come out even at present prices of yarns and goods.

The cotton mills would welcome an advance in cotton because experience has shown that buyers of goods and yarns will not buy to any large extent except upon an advancing market. The cotton mills are not trying to hold the price of cotton down and we always regret to see articles published that will cause the farmer to believe that the cotton manufacturers are his enemies.

If you can not publish this letter in your news columns please insert same at space rates and send us bill for same.

Yours very truly,

SOUTHERN TEXTILE BULLETIN.

**Southern Textile Association to Meet May 13 and 14.**

At a tentative meeting of the committee on arrangements in Atlanta recently, Friday and Saturday, May 13-14, were selected as the positive dates for the Atlanta meeting of the Southern Textile Association. The Piedmont Hotel was selected as headquarters and the meetings will be held in the auditorium on the ninth floor of the hotel. As the annual election of officers and many other important matters come up at this meeting, it is believed that it will be the largest meeting in the history of the association.

**Simpsonville Cotton Mills.**

**Simpsonville, S. C.**

J. M. Cannon ..... Supt.  
C. L. Nelson ..... Carder  
C. D. Huff ..... Spinner  
Eustis Possiss ..... 2nd Hand Spinning  
Harper Barbsey ..... Slasher  
C. D. Huff ..... Warper  
J. H. Burgess ..... Weaver  
Joe Absems ..... 2nd Hand Weaving  
Henry Barbsey ..... Loom Fixer  
Sam Dye ..... Loom Fixer  
Sam Absems ..... Loom Fixer  
Joe Chastins ..... Loom Fixer  
Verner Henderson ..... Loom Fixer  
J. D. Simpson ..... Loom Fixer  
A. S. Dawkins ..... Cloth Room  
C. B. Willingham ..... Outside Foreman  
C. B. Busbin ..... Master Mechanic  
C. B. Willingham ..... Cotton Grader

**Prominent Mill Men Who Died During 1920.**

Henry W. Warren, Hickory, N. C., Supt. Ivey Mill, died January 27.  
Robert G. Campbell, Hope Mills, N. C., Supt. Rockfish Mills, died Jan. 27.  
Alexander Chatham, Elkin, N. C., founder Chatham Woolen Mills, died Jan. 28.  
H. B. Moore, Gastonia, N. C., Sec. and Treas. Morroweb and Modena Mills, died Feb. 1.  
Robert H. Ricks, Rocky Mount, N. C., Pres. Rocky Mount and Enfield Hosiery Mill, died Feb. 19.  
T. M. Constable, Charlotte, N. C., Southern Mgr. Catlin Co., died Feb. 27.  
Robert W. Gray, Gastonia, N. C., cotton manufacturer, died on March 20.  
Daniel Scofield, Bessemer City, N. C., Supt. Gambrill and Melville Mills, died May 16.  
W. K. Davis, Marion, S. C., Supt. Marion Mfg. Co., died June 5.  
A. A. Thompson, Raleigh, N. C., Pres. Raleigh Cotton Mills, died June 12.  
Samuel A. Carter, Atlanta, Ga., Pres. Gate City Cotton Mills, died Aug. 2.  
M. F. Cole, Newnan, Ga., Pres. Newnan Cotton Mills, died Sept. 7.  
John B. Boyd, Gastonia, N. C., Supt. Rex Spinning Co., died Sept. 9.

George B. Scott, Decatur, Ga., Pres. Scottdale Mills and Georgia Duck and Cordage Mills, died Sept. 16.

Edgar Love, Lincolnton, N. C., Pres. Saxony Spinning Co., died Oct. 8.  
John K. Pray, Albany, Ga., Gen. Mgr. Flint River Mills, died Oct. 14.

S. Y. Stribling, Roswell, Ga., Pres. Roswell Mills, died Oct. 27.

John D. Rose, Henderson, N. C., Sec. Henderson Cotton Mill, died Nov. 8.

Andrew E. Moore, Gastonia, N. C., cotton manufacturer, died Nov. 18.  
William H. Watkins, Ramseur, N. C., Pres. Columbia Cot. Mfg. Co., died Nov. 20.

A. J. McMillan, Atlanta, Ga., Southern Representative John P. Marion Co., died Nov. 27.

D. Y. Cooper, Henderson, N. C., Pres. Henderson and Harriet Cotton Mills, died Dec. 20.

C. B. Armstrong, Gastonia, N. C., Pres. Armstrong Group of Mills, died Dec. 27.

W. T. Taylor, Anderson, S. C., Supt. Riverside Mill, died Dec. 27.

**Couch Cotton Mills, Inc.**

**Thomson, Ga.**

Ernest Metzger	.....	Supt.
M. P. Petty	.....	Carder
M. P. Petty	.....	Spinner
W. D. Lingold	.....	Slasher
J. E. Price	.....	Weaver
J. E. Price	.....	Dyer
J. H. Reynolds	.....	Outside Foreman
J. G. Sills	.....	Master Mechanic

# The REPORT

Of the Tariff Commission on the American Coal-Tar Dyestuff Industry, just issued, says:

"The domestic industry has been especially successful in the production of these colors for which there exists a large and constant demand. Sulphur Black \* \* \* is consumed in the United States in larger amounts than any other color \* \* \* Some of the American brands are superior in quality to the best products imported from Germany before the war \* \* \*."

The production of this class is the most highly developed of all classes of colors."

The Atlantic Dyestuff Company is the chief American producer of Sulphur Black, and also makes large quantities of other Sulphur Colors.

## Atlantic Dyestuff Company

Works: PORTSMOUTH and BURRAGE

Main Office: BOSTON

NEW YORK

CHARLOTTE

PHILADELPHIA

PROVIDENCE

Thursday, January 27, 1921.

## Personal News

W. H. Haines, from Williamston, S. C., is now overseer of carding at Georgia Mill No. 2, Griffin, Ga.

George E. Marvin has been elected secretary and treasurer of the Shuford Mills, Gastonia, N. C.

R. F. Dellinger has been appointed overseer of carding at Lawrence Cotton Mills, Durham, N. C.

N. W. Greenhill has resigned as superintendent of Lawrence Mills, Durham, N. C.

J. R. Haney recently resigned as superintendent of the Hartsell Mills, Concord, N. C.

D. W. McLemore, from Burlington, N. C., is now superintendent of Hartsell Mills, Concord, N. C.

James Dixon has been appointed overseer of carding at the Quitman (Ga.) Cotton Mills.

Wylie Herring has resigned as second hand in spinning at Hamburger Mills, Columbus, Ga.

Monroe Davis has resigned as overseer twisting at Hamburger Mills, Columbus, Ga.

Claude H. Lockman has resigned as superintendent of the Cochran (Ga.) Cotton Mills.

Ernest Metzger has been appointed superintendent of Couch Cotton Mills, Thomson, Ga.

B. R. Burnham has been appointed superintendent of Whitney Manufacturing Company, Whitney, S. C.

W. T. Rankin has been elected president of the Shuford Mills, Gastonia, N. C., to succeed C. B. Armstrong, deceased.

T. J. McNeeley, from Gastonia, N. C., has accepted position as superintendent of Lawrence Cotton Mills, Durham, N. C.

W. L. Campbell is superintendent of the new Rowan Cotton Mills, Salisbury, N. C., which will begin operations in about thirty days.

W. R. Neighbors has been promoted from Master Mechanic to position of superintendent of the Tifton (Ga.) Mills.

A. S. Thomas has been promoted from superintendent to treasurer of Whitney Manufacturing Company, Whitney, S. C.

Luther Atherton, from La Grange, Ga., has been appointed overseer of carding for the Autauga Cotton Mills, Prattville, Ala.

W. A. Reid, superintendent of the Tifton (Ga.) Cotton Mills, has resigned and has been appointed superintendent of the Pelham (Ga.) Mills.

J. H. Carpenter, superintendent of the Perkins Hosiery Mills, Columbus, Ga., has also been made superintendent of the knitting department of same mills.

W. Ralph Armstrong, president of the Wymojo Yarn Mills, and Helen Yarn Mills at Rock Hill, S. C., has recently been elected mayor of Rock Hill.

W. H. Baker has been promoted from superintendent of Couch Cotton Mills, Thompson, Ga., to general superintendent of all Couch Cotton Mills.

C. A. Perkins, president and manager Perkins Hosiery Mills, Columbus, Ga., is confined to his home, having recently suffered a stroke of paralysis.

G. W. Patterson has resigned as overseer of the finishing department at Swift Manufacturing Company, Columbus, Ga., and has been appointed to a similar position at the Eagle and Phenix Mills, Columbus, Ga.

James Oates, overseer carding with the Griffin Manufacturing Company, Griffin, Ga., has been called to the bedside of his father, who is very sick. Mr. Oates' father resides at Thomaston, Ga., where he has lived several years.

### William H. Bent Dead.

Announcement has just been received telling of the death of William H. Bent, vice-president of the Mason Machine Works Company, Taunton, Mass.

### McLemore Superintendent Hartsell Mills.

Concord, N. C.—D. W. McLemore has succeeded J. R. Haney as superintendent of the Hartsell Mill. Mr. Haney resigned his position with the company several weeks ago, and Mr. McLemore began his new duties Monday of this week.

Mr. McLemore for the past several years has been living in Burlington, where he was connected with a cotton mill, and before going there was superintendent of the Roberta Mill in this county. His many friends will welcome him back to this county.

The Hartsell mill resumed operation Monday morning and is now running full time.

### Chas. B. Iler Dead.

Chas. B. Iler, well known traveling salesman for Baltimore Belting Company, died at his home at Greenville, S. C., Saturday. He was well known among the mills in the South.

Mr. Iler had been a resident of Greenville for the past 29 years and leaves a wide family connection here. His death followed a long illness. He was a member of U. C. T., Local No. 244, of this city.

Mr. Iler is survived by his wife, and by one son, Claud B. Iler, of this city, and by the following brothers and sisters: W. B. Iler, Alonzo Iler, J. J. Iler and J. G. Iler, all of Greenville; Mrs. Wyatt A. Seybt, Greenville; Henry H. Iler, Greenville; Mrs.

L. M. Garrett, Marietta, Ga.; and by Mrs. L. H. White, of Florence.

Pallbearers were: Active, Mills Hunter, J. C. McCall, L. C. Craig, Mr. Clinton, Joe Carter and Mr. Waits; honorary, J. N. Watkins, W. H. Gwinn, T. H. Pope, W. G. Gresham, W. J. King and J. C. Jerrard.

### John D. Cooper Dead.

John D. Cooper, well known banker and cotton manufacturer of Henderson, N. C., died at his home last week (January 18). He was a brother to David Y. Cooper, who died December 20th.

Mr. Cooper is survived by his wife, who was Miss Fannie Burwell. His children are George B. Cooper, with the British-American Tobacco Company, London; Lewis G. Cooper, recorder of Greenville; John D. Cooper, Jr., superintendent of the Harriett Cotton Mill; James W. Cooper, assistant superintendent of the Harriett Cotton Mill; David A. Cooper, medical student at the University of Pennsylvania; Henry S. Cooper and Marshall Y. Cooper, students at the University of North Carolina; Mrs. A. A. Zollicoffer, of Henderson. He also is survived by two brothers, M. A. Cooper, of Waco, Texas, and J. C. Cooper, of Henderson.

Mr. Cooper was born in Granville county March 15, 1849, and was in his 72nd year. He was educated at Horner Military School. He has for many years been conspicuous in the business life of Henderson. He was president of the Farmers and Merchants Bank, president of the Carolina Bagging Mills, president of the Waco, Texas.

Farmers Loan and Supply Company and director and one of the largest stockholders in the Henderson and Harriett Cotton Mills.

Wade C. Poole, formerly overseer of the cloth room at the Pacolet, S. C., Manufacturing Co., has resigned to accept another position.

G. C. Rambo has changed from second hand in twisting, spooling and warping at the Marlboro Cotton Mills, Bennettsville, S. C., to section man in twister room with the Winnboro Mills, Winnboro, S. C.

L. C. Langston, superintendent of the Rainbow Mfg. Co., Ozark, Ala., was lately made superintendent also for Ozark Cotton Mill Co. Both plants are under his supervision.

W. J. Hamilton has accepted the position of card grinder at the Thrift Manufacturing Company mill at Paw Creek, N. C.

J. F. Stevens has been promoted from card grinder to second hand at the Thrift Mill, Paw Creek, N. C.

H. C. Thompson, from Hillsboro, Texas, has been appointed overseer of weaving at Miller Cotton Mills, Waco, Texas.

tendent of the Stonewall Cotton Mills, Stonewall, Miss., is now holding a simialr position with the victory Manufacturing Company, Fayetteville, N. C.

Will Miller recently resigned as overseer weaving Miller Cotton Mills, Waco, Texas.

W. R. Thompson is now overseer weaving at Miller Cotton Mills, Waco, Texas.

For You  
Why?

Primarily because it is the best preserver obtainable at any price

And in detail—

It is easily applied at the job by unskilled workmen who need no special training to do the work—

May be used either hot or cold—

Easily penetrates the wood by the brush coat or open tank treatment—

Has no irritating effect on the workman—

Leaves no surface oil to rub off—

Does not exude under influence of ordinary heat—

Insoluble in water—

Practically permanent in the wood—

Kills decay germs—

The odor is pleasant and beneficial to the health.

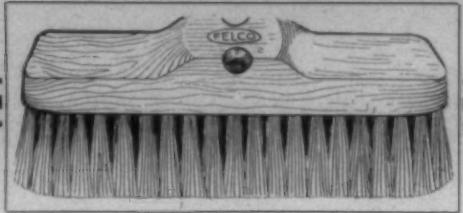
All this and more—

ECONOMY BY THE USE OF "No-D-K" IS A PROVED FACT

LYSTER CHEMICAL CO., Inc.

61 Broadway, NEW YORK

Shipping Point—Factory: Passaic Jct., N. J.



## MILL EFFICIENCY

Many Mills today are wasting the valuable time of their employees because they have not given them the proper brushes to work with.

INSTALL **FELCO** BRUSHES

and in a very short while you will have the satisfaction of seeing them pay for themselves in the increased efficiency of the operatives.

Distributors for **GARVEY Stencil and Marking Ink**

A non-evaporating waterproof Marking Ink which is impossible to rub off. COMES READY FOR USE.

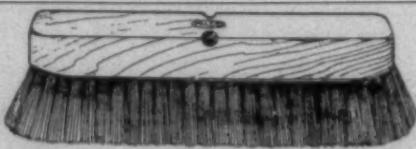
We Have a Catalogue and Price List For You

**ATLANTA BRUSH COMPANY**

Successors to D. D. Felton Brush Co.

Central and Trinity Aves.

ATLANTA, GA.



## PERKINS GUARANTEED ROLLS

*"RESISTANT BUT RESILIENT"*

Cotton—Paper—Husk—Combination



TRADE MARK

Satisfied friends are one of the greatest assets that a manufacturer can have. ¶ It is unquestionably true that *Perkins Rolls* have won their enviable reputation largely through the commendation which they have received from most of the Roll users in the United States and Canada.

WRITE FOR CIRCULAR

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T. S. Southgate

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A. R. Sydnor

Elias Etheridge

POCAHONTAS  
NEW RIVER  
KANAWHA

# Southgate Export Coal Co.

Southgate Terminal  
NORFOLK, VA.

STEAM  
DOMESTIC  
GASC  
O  
A  
LC  
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A  
LA. R. SYDNOR  
General Manager  
Norfolk, Va.AT YOUR SERVICE  
Direct Shipments from MinesW. L. BEASLEY  
Southern Sales Mgr.  
Raleigh, N. C.

## When You Have Motor or Transformer Trouble *Quick Service and Expert Attention is Necessary*

We have one of the most modern armature winding shops in the state and a corps of efficient armature men who understand the business.

*Prompt Service, Guaranteed Work, Expert Winding*

Inside Mill Wiring. Pole Line Construction, and Village Lighting  
our Specialty.

*"At Your Service Day and Night"*

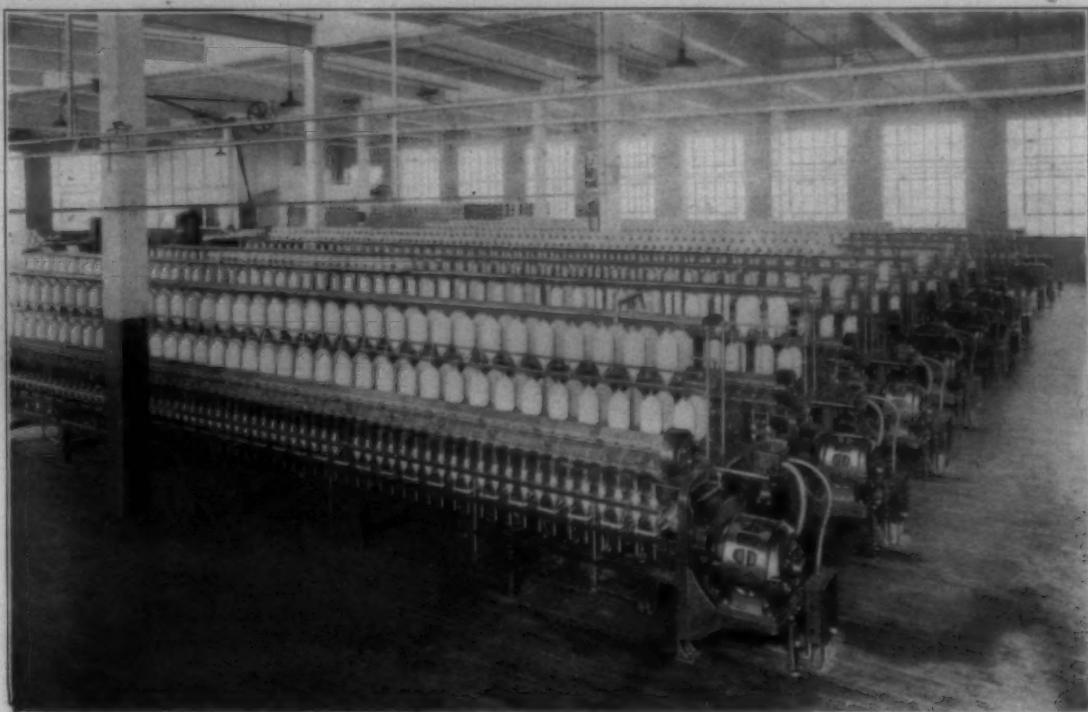
# MICHAEL & BIVENS, Inc.

GASTONIA, N. C.

F. C. Michael, Pres.

J. P. Bivens, Sec. &amp; Treas.

Albert Milmow, Mgr.



## Allis-Chalmers Equipment for Textile Mills

ALLIS-CHALMERS equipment for textile mills includes power equipments of every type as well as auxiliary electrical apparatus, a full line of textile motors for group or individual drive, centrifugal pumps, air compressors, transmission machinery, etc. ¶ In the line of power machinery the Allis-Chalmers Manufacturing Company builds every type of prime mover—steam turbines, steam engines, hydraulic turbines, gas engines and oil engines—together with a full line of generators for each type—also steam condensers of any size and all types. It is the only organization in the world furnishing complete power equipments of every description, built in the same shops and under one management. This is supplemented by a very complete line of auxiliary electrical apparatus consisting of exciters, transformers, converters, motor-generators, frequency changers, switchboards, etc. Allis-Chalmers textile motors are built especially for driving textile machinery, having characteristics suited to the driven machines. These can be furnished for either group or individual drive to suit the requirements of the mill.

Special motors furnished for individual drive include those for looms, spinning frames, twisters, pickers, openers, breakers, etc. A complete line of high grade power transmission machinery is also supplied, including pulleys, shafting, hangers, couplings, clutches suitable for textile drives.

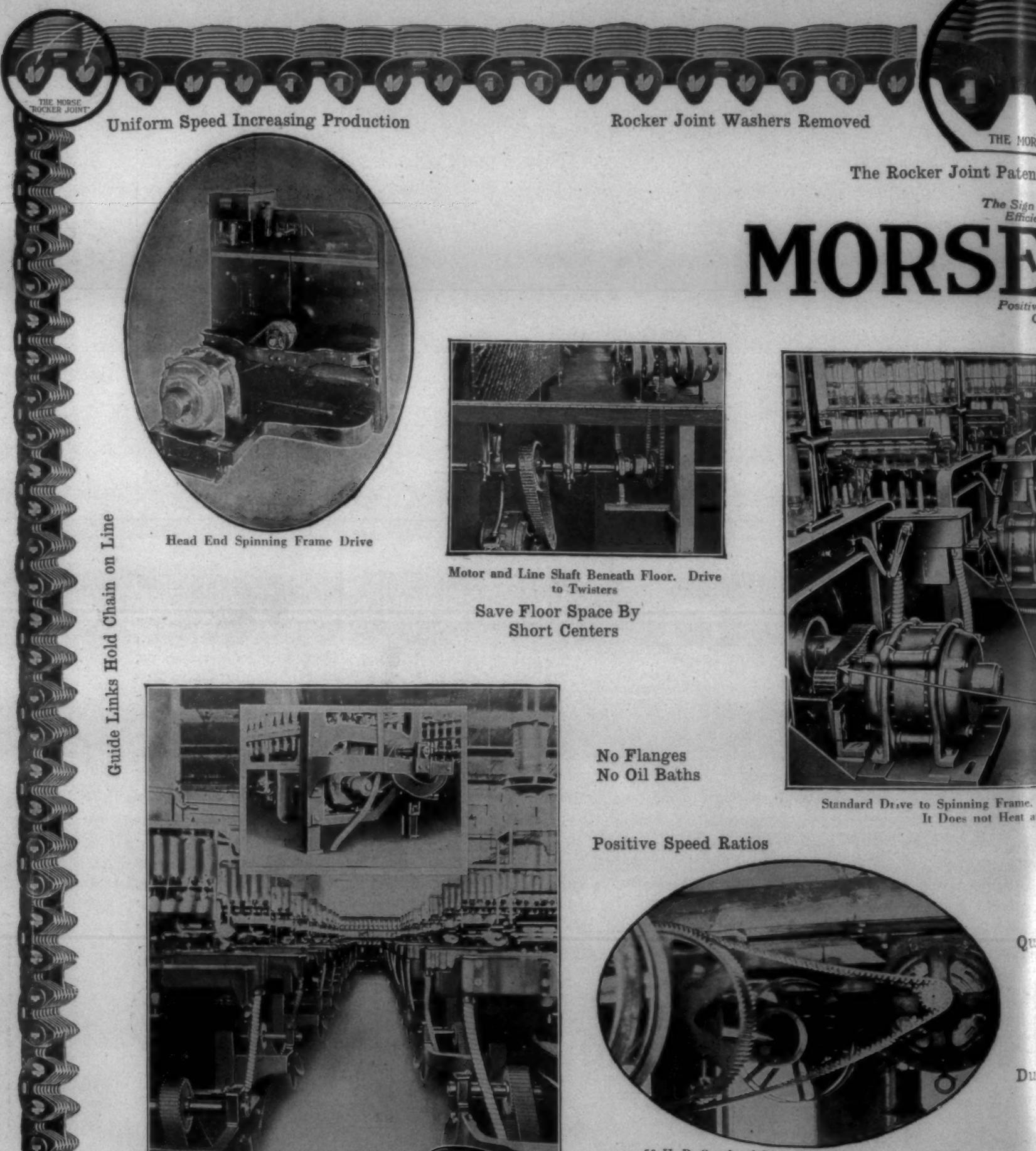
**ALLIS-CHALMERS**  
MANUFACTURING COMPANY

ELECTRICAL MACHINERY  
STEAM TURBINES — STEAM ENGINES  
HYDRAULIC TURBINES  
GAS ENGINES — OIL ENGINES  
MINING MACHINERY  
CRUSHING AND CEMENT MACHINERY  
FLOUR AND SAW MILL MACHINERY



PUMPING ENGINES  
CENTRIFUGAL PUMPS  
CONDENSERS  
AIR COMPRESSORS — AIR BRAKES  
STEAM AND ELECTRIC HOISTS  
AGRICULTURAL MACHINERY  
POWER TRANSMISSION MACHINERY

**MILWAUKEE, WISCONSIN. U.S.A.**



Uniform Speed Increasing Production

Rocker Joint Washers Removed

THE MORSE ROCKER J

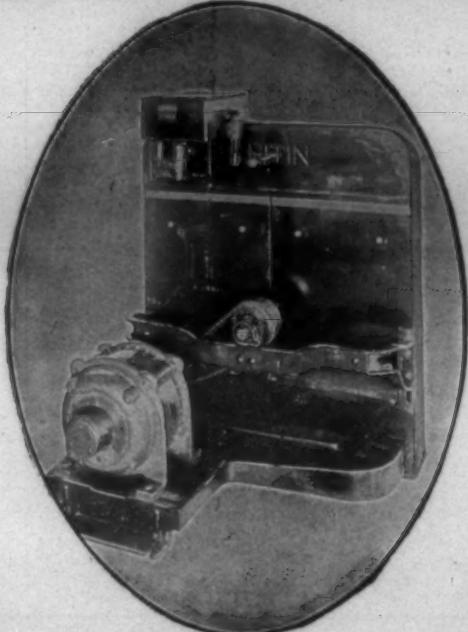
The Rocker Joint Patent Can W

The Sign of  
Efficiency

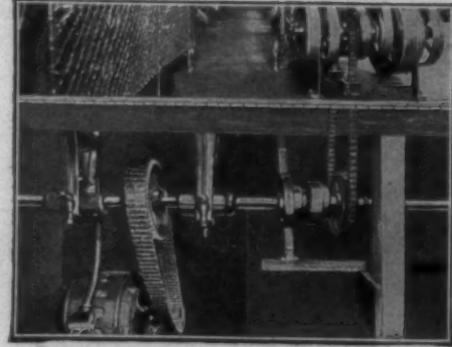
# MORSE

Positive a  
Gear

THE  
ROCK  
Long

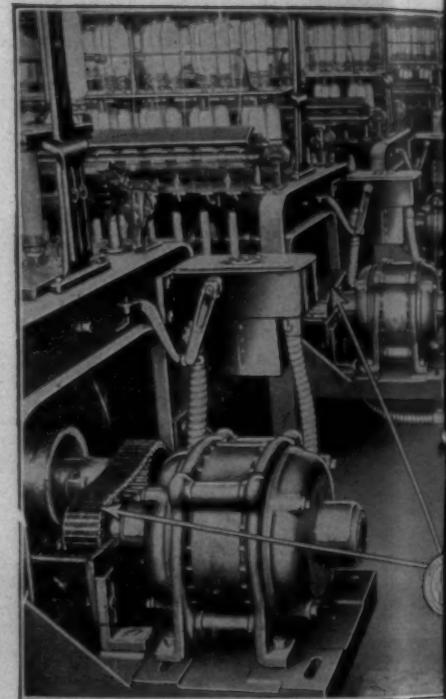


Head End Spinning Frame Drive



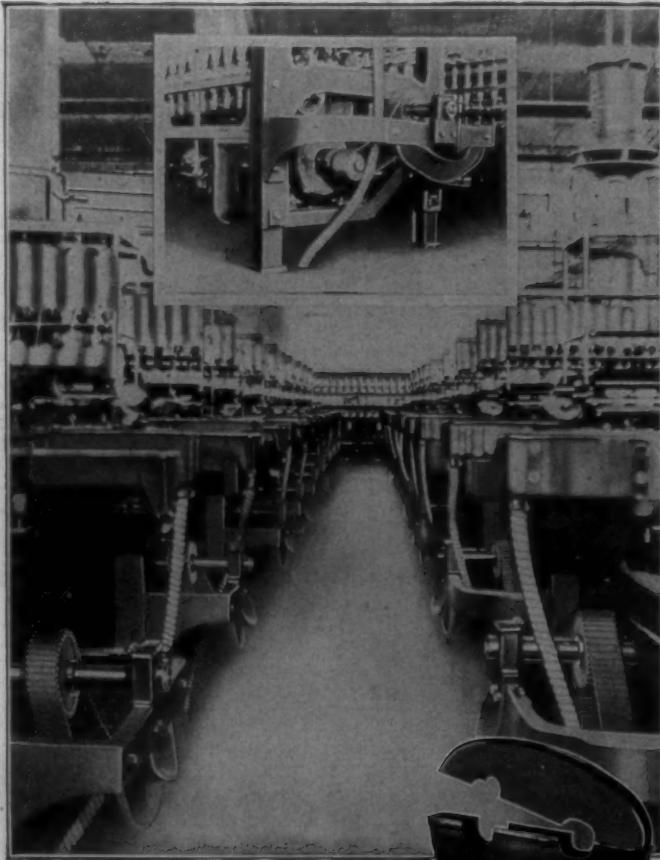
Motor and Line Shaft Beneath Floor. Drive to Twisters

Save Floor Space By  
Short Centers



Standard Drive to Spinning Frame. C  
It Does not Heat and  
Requires

Guide Links Hold Chain on Line

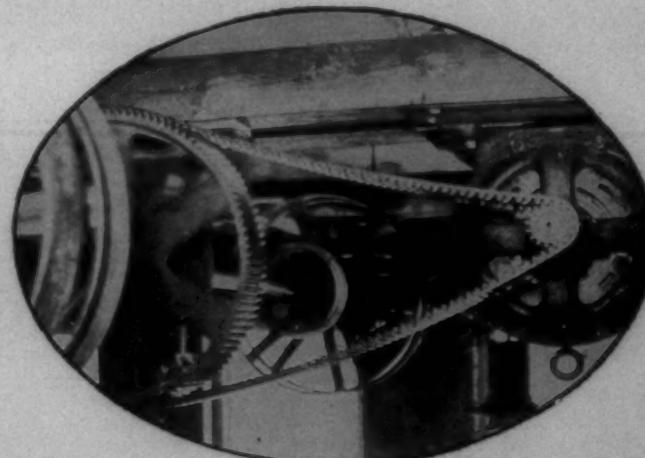


Underhung Motor Spinning Frame Drive

Drawn-Steel Chain Case

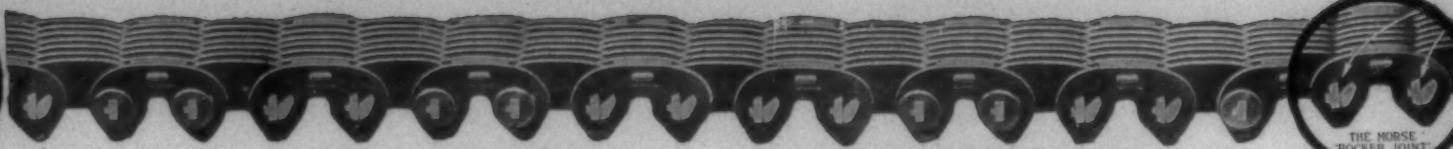
No Flanges  
No Oil Baths

Positive Speed Ratios



50 H. P. Overhead Line Shaft Drive in Weave Shed

Benefit By Morse Service As Others Do



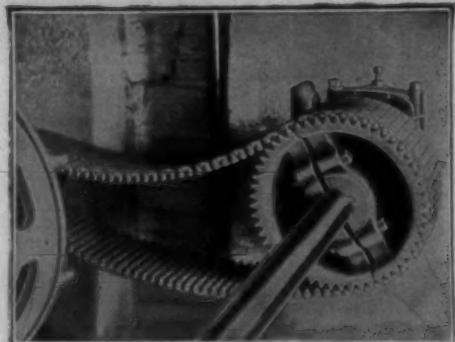
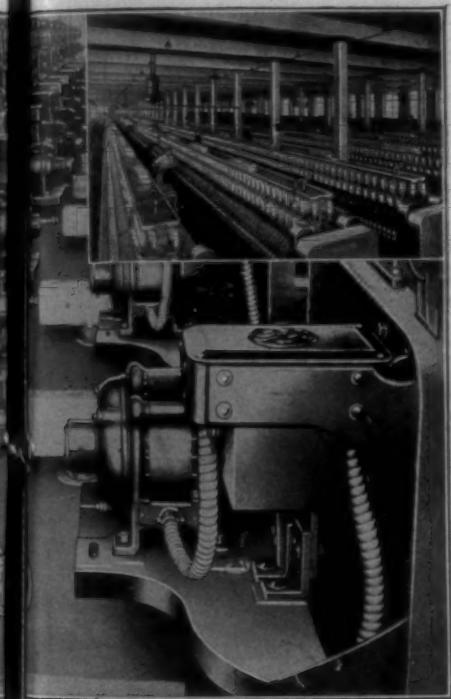
Chain With Center Guide Links

The Sign of  
Durability

# DRIVES

Flexible as  
a Belt

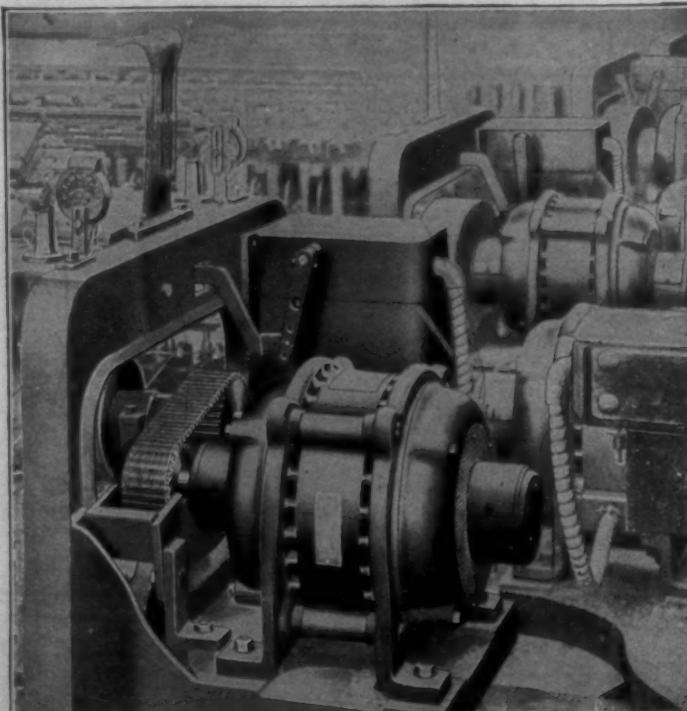
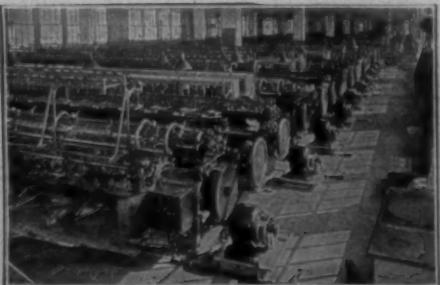
Longer Life



Typical Line Shaft Drive, Cotton Gin and Oil Mill

Run Cool, Oil Baths  
Not RequiredThe Chain With  
The Rocker Joint  
and Center Guide1/2" Pitch, 2 1/2" Wide, 8 1/2" Centers  
requires No Bath of Oil

Without Slip



Drive from Motor to Full Fashion Hosiery Machines

Standard Drive to Spinning Frame. Close Setting of Frames

Engineers Planning Power Transmissions Secure Data and Estimates of "MORSE" DRIVES—Save Construction, Space, Light, Fuel. Produce More.

Write Today for Technical Textile Booklet.

## MORSE CHAIN CO.

### MORSE ENGINEERING SERVICE

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 BOSTON, MASS. 141 Milk Street  
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 CHARLOTTE, N. C. 404 Commercial Bank Building  
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 PHILADELPHIA, PA. 302 Harrison Building

### Largest Manufacturer of Silent Chains in the World

Address Nearest Office



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 SAN FRANCISCO, CAL. Monadnock Building  
 ATLANTA, GA. Earl F. Scott, M. E., 702 Candler Bldg.  
 CANADA Jones & Glassco, Reg'd, Montreal, St. Nicholas  
 Bldg., Toronto, Traders' Bank Building.  
 KANSAS CITY, MO. Morse Engineering Co., Finance Building  
 MINNEAPOLIS, MINN. Strong-Scott Mfg. Co., 413 Third St. S.  
 ST. LOUIS, MO. Morse Engineering Co., Chemical Bldg.

Morse is the Guarantee Always Behind the Efficiency, Durability and Service

## ITHACA, N. Y.

### ASSISTANCE WITHOUT OBLIGATION



Guide Links Wear Show Aligning of Drive



## Mr. Superintendent! What is Efficiency?

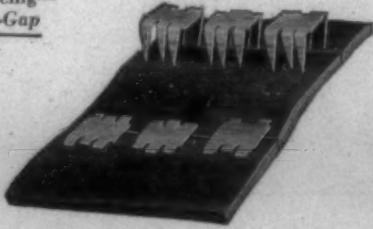
*Would you call a man efficient who was using a \$20 machine to do the work that could be done with a hammer?*

The one basic principle of Belt-Lacing is, you must have a Close-Up Non-Gap joint.

You should have a smooth Non-Gap surface on the pulley side of the belt! Use

### STAG STEEL BELT HOOKS

No special tool required. A hammer does the work.



Stag Hooks—Drive Better, Last Longer, Cost Less!

Every Mill Supply House should have them.

Ask Your Jobber!

Manufactured by

### Columbia Belt Hook Co.

1429-39 N. 8th Street,

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#### —STOCKED BY—

Watkins-Cottrell Co.  
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Belknap Hdwe Co.  
Louisville, Ky.

Kaminski Hdwe Co.  
Georgetown, S. C.

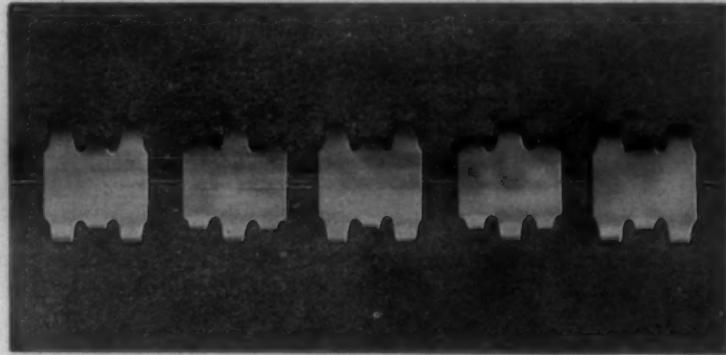
Virginia-Carolina Hdwe Co.  
Richmond, Va.

Logan Hdwe Co.  
Logan, W. Va.



How Much Time Are Your  
Men Wasting Looking For a  
Lacing Machine?

*What would you think of a carpenter putting on shingles with screws?*



## STAG Hooks will cut down your Belt upkeep

*Send for Samples or order from*

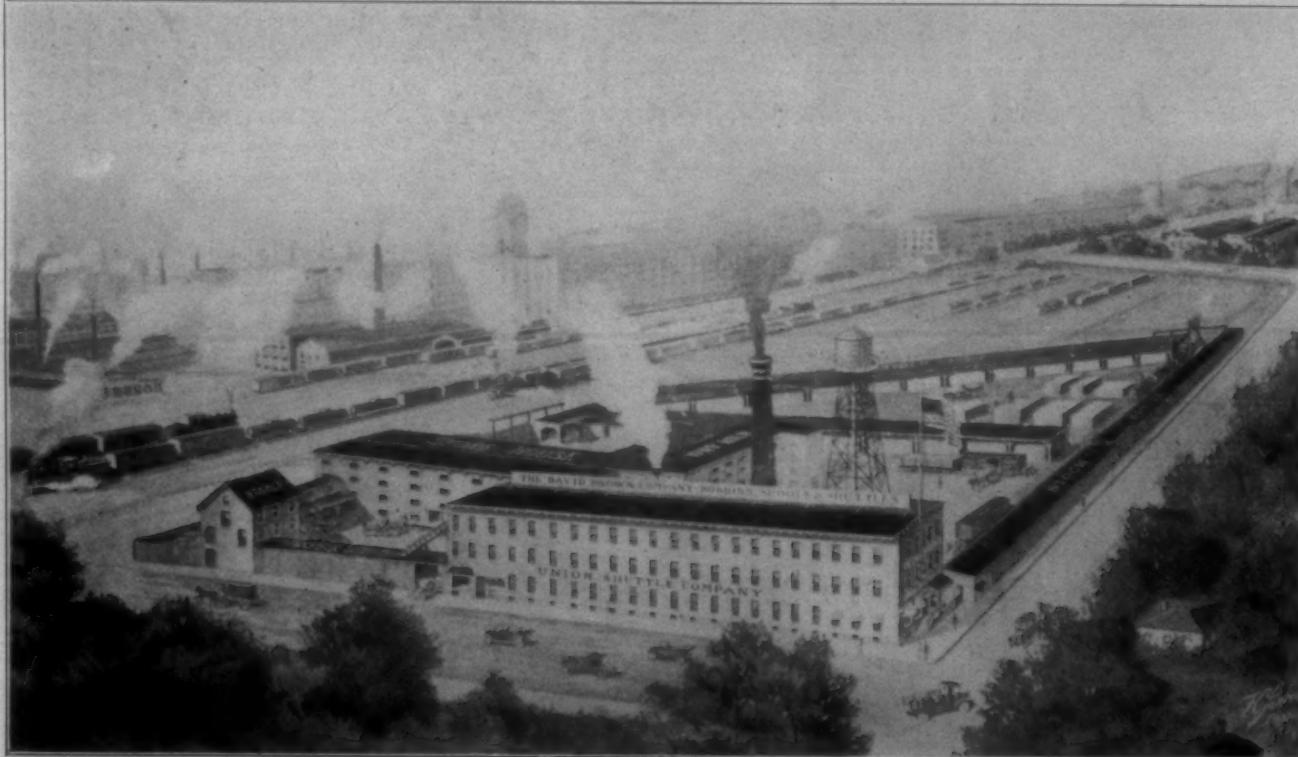
Hyman Supply Company  
Wilmington, N. C.

Elizabeth City Iron Works & Supply Co.  
Elizabeth City, N. C.

## The David Brown Company and Union Shuttle Company

High Grade Bobbins, Spools and Skewers. Metal Reinforced Work a Specialty.

High Grade Shuttles of Any Kind or Description. Write Us Now.



Office and Factories at SOUTH LAWRENCE, MASS.

**W. A. Erwin Optimistic.**

Dunn, N. C.—Cotton is going to reach a price somewhere near its cost of production and good times are going to return to the South in the not far distant future, according to William A. Erwin, head of one of the largest chains of cotton mills in the country.

But, he said, the country need not expect a repetition of the hectic days of the wild dollar and wilder profiteer. "We must get down to work," he declared, "determine to treat every man squarely and go back to the old time religion which prompted us to live soberly, honestly and reasonably."

"We have all profiteered," he continued, "and profiteering has not been good for us." Of course he excepted "us poor cotton mill men" from the list of profiteers, but did admit that his warehouses were full of manufactured goods sold at the "highest prices the world has ever known." These goods, however, were never delivered to their purchasers, because when the public went on a strike against high prices the orders were cancelled.

"We must discard the idea of getting rich quick, reduce the price of our goods to the point that the farmer can begin to buy, face adversity with brave hearts and carry on the burdens of business," he declared; "then the country will get on an even keel and business will proceed along normal lines.

"We must play square and demand that everybody else play the same way. If the men who work for us want to continue giving 50 per cent efficient work for 200 per cent pay, take 'em by the scruff of the neck and tell 'em to get out of here. My men can organize all they please, but W. A. Erwin is going to boss his business. When a man doesn't want to earn the money I pay him, he shall not work for me. When every other business man in the country reaches the same conclusion, we will have more real workers and better times."

Mr. Erwin stated that in ordinary years his mills consumed about 90,000 bales of cotton, and that they still had much to buy. Other mills over the country are in the same shape. That is the basis for his belief that cotton will sell for a much better price before the season is much older.

Since November the Erwin Mills at Duke have been working on a curtailed schedule. As soon as the market can be found for goods already manufactured, Mr. Erwin said the mills will resume full time even if they have to operate at a loss.

**Textile Industry Shows Improvement.**

Raleigh, N. C.—Marked improvement in the textile industry during the past few weeks is reported by representatives of the three cotton mills in Raleigh, and prospects are that the next thirty days will witness a return to normal operating conditions.

The Caraleigh Cotton Mills is operating on practically full time at present, although the plant was shut down several days during holiday

period. The Pilot Mill is operating four days in the week, and the Raleigh Cotton Mill three days in the week. The management of the Raleigh mill stated that it was hoped that the plant would be in full operation within sixty days.

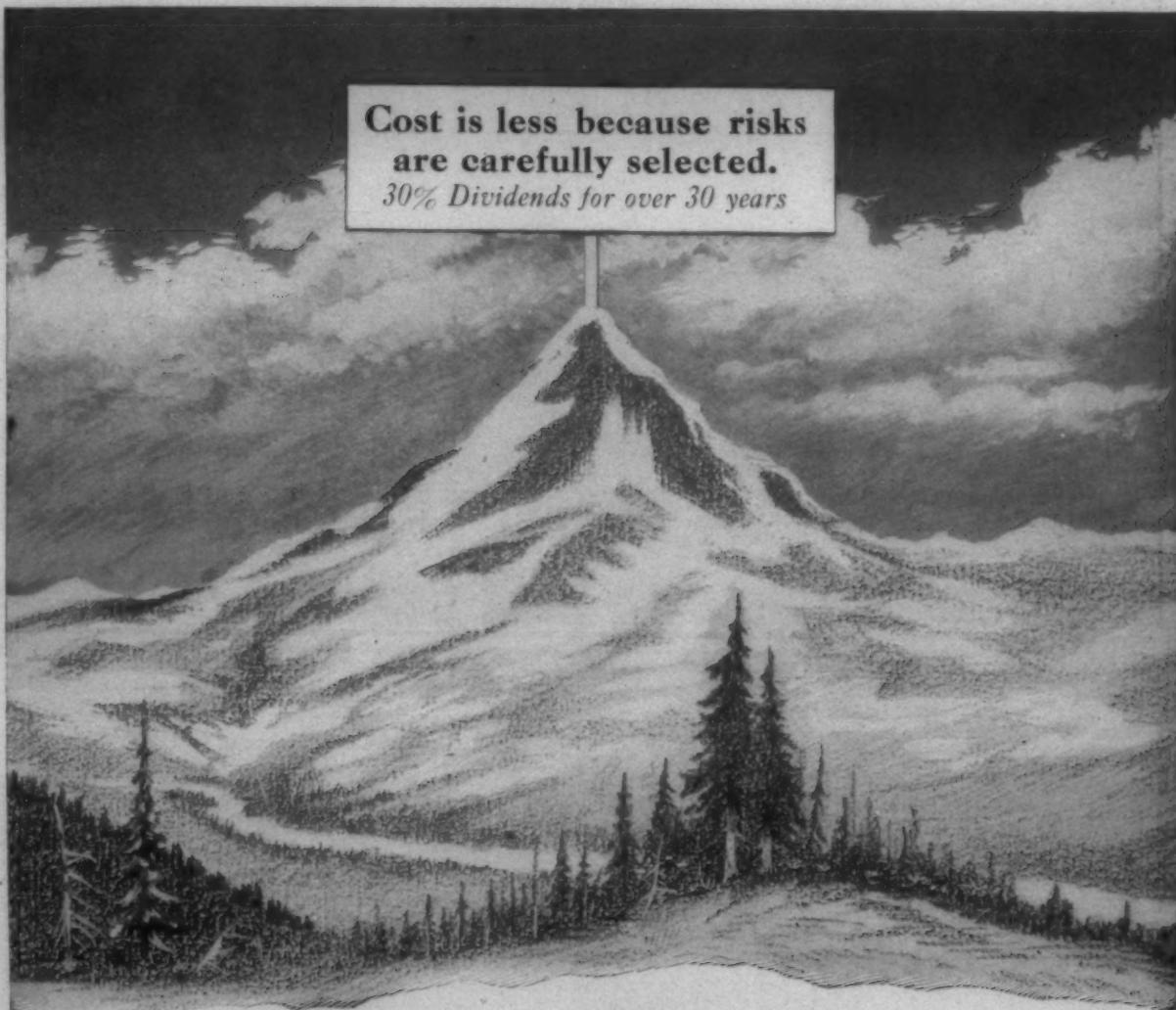
There has been noticeable increase in inquiries since the first of

the year, and with a slightly better future. The plant manufacturers underwear, and at present it appears there is no market or demand for such goods.

The Melrose Knitting Mill has been closed since the holidays, and it was said there seemed to be no prospect for reopening in the near hand.

# This High Point

**Cost is less because risks are carefully selected.**  
30% Dividends for over 30 years



of the  
**AMERICAN MUTUAL**

is worth remembering when you place your Employers' Liability or Workmen's Compensation Insurance. *Nineteen of our Directors are Textile Manufacturers.*

Your Copy of the illustrated booklet which will give you the whole story will be mailed upon request.

**Protection for Employer and Employee**

# AMERICAN MUTUAL LIABILITY INSURANCE CO.

Executive Offices 245 State Street, BOSTON

Branch Offices in Principal Cities Including:

Atlanta, Ga.  
Birmingham, Ala.

Charlotte, N. C.  
Louisville, Ky.

Memphis, Tenn.  
Nashville, Tenn.

Norfolk, Va.  
Richmond, Va.

# Tolhurst SELF-BALANCING EXTRACTORS



## Long Life—Low Power Consumption

Rigid bearing centrifugal extractors do not possess durability. Their bearings are quickly destroyed, due to the heavy radial thrust that comes from unbalanced loads. Their power consumption is excessive.

**Tolhurst Self-Balancing Extractors** are provided with flexible bearings which accomodate themselves to unbalanced loads. They possess long life and are notable for their low power consumption.

*Built by Centrifugal Specialists for 49 years. Arranged for engine, counter-shaft or motor drive from above or below. Baskets 12" to 72"*

**TOLHURST MACHINE WORKS**

Established 1852

TROY, N. Y.

New York Office: 111 Broadway

Southern Rep. FRED H. WHITE, Realty Bldg. Charlotte, N. C.

## How do You Figure the Cost of Your LOOM HARNESS

**Cost Each or by The Year?**

DUPLEX Flat Steel Harness have built a reputation for service by the year, and can show records of ten to fifteen years' service at small cost per year, with high cloth production and low percentage of seconds. Lets talk it over.

**STEEL HEDDLE MANUFACTURING CO.**

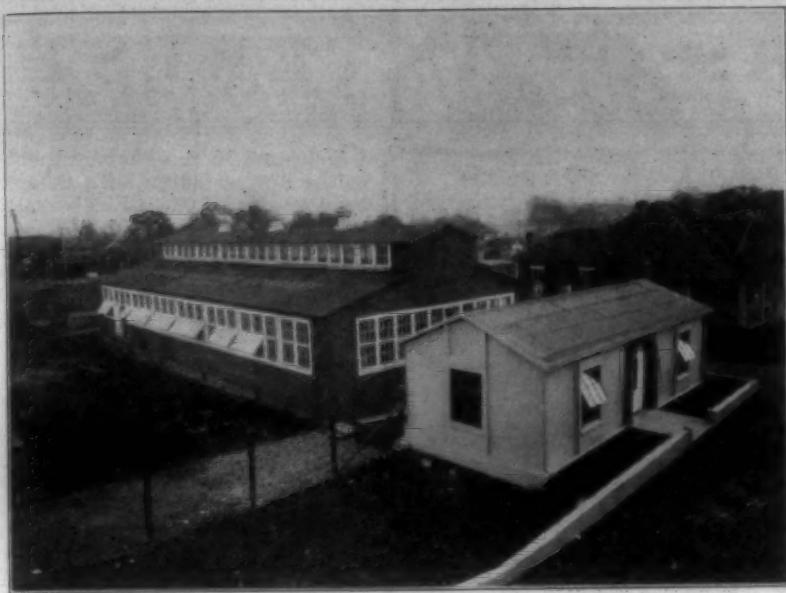
**GREENVILLE**

Southern Office HAMPTON SMITH, Sou. Mgr. 111 Washington St., Greenville, S. C.

**PHILADELPHIA**

**PROVIDENCE**

N. B. We are the sole manufacturers of Nickle-Plated drop wires for every kind of loom.



Partial view of office and factory of the Terrell Machine Company, Inc., Charlotte, N. C.

**Terrell Machine Company Shows Healthy Growth.**

The Terrell Machine Company, Inc., of Charlotte, N. C., builders of quill machinery, has made one of the most progressive growths in the history of their special line of manufacture.

Headed by E. A. Terrell, an efficient and successful man, this company has, in the short space of two years, shown a net increase in business of a clear 200 per cent in volume and of \$70,000 in receipts.

The company began business as a partnership under its present name in December, 1916, and continued under that management until June, 1917, when it was incorporated with a capital of \$25,000.

With a return to normal times in the new year and conditions changing back to a peace basis officials of the company anticipate a gain of at least 25 per cent addition in 1921 over the record business of 1920.

On June 1 of last year the company's business had grown to such

an extent that the old quarters in the centre of the city were found to be too small. Additional floor space was necessary and the company purchased a three quarter block of land on North Church street adjoining the Southern Railroad property at that point.

The new building has a floor space of 4,000 square feet, which is just twice that of the original plant. The new shop was carefully designed from an economical manufacturing standpoint, the machinery being arranged so that material is constantly in motion toward a spacious stock room from which it is issued to the assembling room.

The building is an up-to-date structure from a manufacturing standpoint. The lighting system is ideally arranged, there is plenty of room for each individual workman, and everything possible for the convenience both for the benefit of the employees and toward the manufacture of a perfect product have been installed in the new plant.

Since occupying the Church street



View in assembling room of the Terrell Machine Company, Inc., Charlotte, N. C.

property very favorable increases in production as well as in the quality of the work produced have been noted. The very latest labor saving machinery has been installed which has had a decided effect in decreasing costs of production and in increasing the output of the company.

A feature of the new plant is the beautiful office building recently completed. The office force moved into the new quarters November 20 of last year. The building is located directly in front of the work shop. It is constructed of reinforced concrete throughout. No forms were used on the side walls, the cement mortar being plastered directly in trussit. A few forms were used in holding the truss in position, but these were removed as soon as the outside coat of plaster had set. The inner walls were then finished in a like manner, followed later by a brush coat. Integral water proofing is mixed with the cement in addition to a coat of waterproof paint applied to the exterior.

The production of the Terrell Company in 1920 was 100 quill machines. It is expected that this number will be increased to 125 in 1921.

At present there are approximately 225 "Utsman" quill cleaning machines in operation in the United States and Canada. The machine manufactured by the Terrell Company is named for the original patentee. It was redesigned by E. A. Terrell in the fall of 1917 and placed on the market in 1918.

The machines are spread over territory which stretches from Texas to Canada. New England mills have purchased a large number as have those of the Southern States. Among the larger cotton mills which have already installed the Utsman are the Carolina Cotton and Woolen Mills of Fieldale, Va.; the Cannon Manufacturing Company, of Kannapolis, N. C.; the Chadwick-Hoskins Mills, of Charlotte, N. C.; Corsicana Mills, of Corsicana, Tex.; Eagle and Phenix Mills and Columbus Manufacturing Company, of Columbus, Ga.; Hamilton-Carhart Mills, of Mobile, Ala., and Rock Hill, S. C.; Erwin Cotton Mills Company, West Durham, N. C.; Canadian Cottons, Hamilton, Ont.; Dominion Textile, Montreal, Que.; Palmer Mills, Three Rivers, Mass., and the Pepperell Manufacturing Company, of Biddeford, Me.

**Would Sue Southern Textile Bulletin for Negligence.**

Charlie Nichols, general manager of Champion Chemical Company, Asheville, N. C., says in a letter dated January 15th that the entire assets of his company will be placed behind a law suit for negligence on the part of the Southern Textile Bulletin in case his advertisement fails to appear in a single issue.

Charlie Nichols is the fellow who makes "Mi Cleanser," that perfected scrubbing and scouring wonder that cleans absolutely and is being used regularly by Southern mills representing about one and a half million spindles. His business has almost doubled during the past year and has all come through an advertisement (which appears every week) in the Southern Textile Bulletin and the use of some good blotters. One hundred and forty-eight mills used "Mi Cleanser" exclusively for cleaning their floors during 1920 and were satisfied with results. Among these mills were the following: Pelzer Mfg. Co., Poe Mfg. Co., Consolidated Textile Corporation, Grendell Mills, Thacker Spinning Co., Spray Cotton Mills, Magnolia Textile Corporation, Wiscasset Mills Co., Glenwood Cotton Mills, Monarch Mills, Woodruff Cotton Mills, Newnan Cotton Mills, Avondale Mills, and many others.

In his letter of the 15th Mr. Nichols also said:

"We must confess that you all are a game sportsmen and some bunch. You claim that it pays to advertise in the Textile Bulletin, and if a person don't believe it, you give him a year's tryout, at satisfaction guaranteed or no charge. At least you have done us this way."

"We have no traveling salesmen and the writer has not been out of Asheville in interest of the company. Our only other advertising matter is good blotters and the folder of recommendations of MI CLEANSER



CHARLIE NICHOLS

from our customers. These are mailed out every 30 days to customers and mills of ten thousand spindles and over that are not customers; to the mills of less than ten thousand spindles they are mailed out every three months.

"We just liked 38 barrels of doubling our 1919 business, not considering that the last three months of last year fell off some 65 per cent, but am pleased to advise that things are beginning to pick up now, and we are stocking up for the business that is bound to come within the near future."

"Our motto is as yours, satisfaction guaranteed or no charge, and we feel that if anybody gets any business we are bound to get our share and then some, as we are just now getting started good. Our effective advertising this year just past certainly has told the tale, and we can't afford to hold up now. If we do the other fellow will get the (Continued on page 34.)

## MILL NEWS ITEMS OF INTEREST

**Durham, N. C.**—The Lawrence Cotton Mills have added 10,000 spindles to their equipment. They make 20s to 30s two-ply yarns.

**Union, S. C.**—The Buffalo Mills plant here, employing almost 900 persons, resumed full time operations Monday after running three days a week for several months.

**Laurens, S. C.**—Statement from the Watts Mills is that they have built a new opener room and added 17 combers, two sliver lap machines and three ribbon lap machines.

**Hillsboro, N. C.**—The Belle Vue Manufacturing Company and the Eno Cotton Mills at this place are now operating on full time with a very much encouraged outlook for the year.

**Durham, N. C.**—The Durham Hosiery Mills began full time operation Monday under a further wage reduction of 15 per cent. Work is provided for 65 per cent of the employees.

**Reidsville, N. C.**—After a shutdown of several weeks due to poor demand for knit underwear, the local finishing branch of the P. H. Hanes Knitting Company will resume work with a full force Monday.

**Atlanta, Ga.**—The Standard Tent and Awning Company has been organized and incorporated here with \$20,000 capital, by D. T. Ricks, W. D. Morgan and F. D. Pierson, all of Atlanta. The company will establish a plant for the manufacture of tents and awnings and kindred lines.

**Cherryville, N. C.**—"All the mills in Cherryville are running full time now," said Mr. M. L. Mauney, president of the First National Bank of Cherryville. Mr. Mauney was just back from a business trip North. "The new mills in Cherryville are also getting ready to run," said Mr. Mauney.

**Brenham, Texas**—The South Texas Cotton Mills have voted to increase the capital stock from \$60,000 to \$250,000, and an amendment to the charter has been filed with the Secretary of State at Austin. It is announced that the plant will be thoroughly renovated and considerable new equipment installed.

**Mount Airy, N. C.**—The Laurel Bluff Cotton Mills of this place, controlled by mill interests in Gastonia, have increased their capital stock from \$30,000 to \$125,000. The superintendent, who with R. A. Love of Gastonia is the owner of the stock, announces that his mill has never been out of orders and are now running.

**E. S. DRAPER**  
CHARLOTTE NORTH CAROLINA  
LANDSCAPE ARCHITECT and CITY PLANNER  
MILL VILLAGE DEVELOPMENT

**Salisbury, N. C.**—The stockholders of the Rowan Cotton Mills Company have re-elected A. C. Lineberger, of Belmont, president; W. F. Snider, vice-president; A. E. Davis, secretary-treasurer; and W. L. Campbell, superintendent. This is a new mill, just completed, and will begin operation within 30 days. It is a modern mill in every particular and surrounded by a village of pretty little homes.

**Gastonia, N. C.**—At the annual stockholders meeting of the Shuford Mills, held last Tuesday, Mr. W. T. Rankin was elected president to succeed the late Col. C. B. Armstrong. C. C. Armstrong was elected vice-president and George E. Marvin secretary and treasurer. The question of the future work on the mill site and building was left in the hands of the board of directors.

**Rutherfordton, N. C.**—The Cleg-horn Mill of this place and the Spindale and Spencer Mills of Spindale, Rutherfordton's largest suburb, started Monday on full time. They have been running part and half time for several weeks. There is a general feeling of optimism sweeping over the county and the buying public is beginning to realize that prices have reached a rock bottom.

**Gastonia, N. C.**—With the resuming of operations by the six cotton yarn mills at Cherryville and the announcement that the new Rhyne-Houser Mill there will be open soon on full time, the majority of the spinning mills of the Gastonia district are now in operation. The leading textile men are all optimistic and believe there will soon be no idle spindles among the more than a million in this county.

**High Point, N. C.**—The Dillon-Kearns Underwear Company's mill resumed operation Monday on a full time basis, namely, 55 hours per week. At the present time only about 25 per cent of the employees are at work, but the plant is adding additional ones daily and will continue doing so until it has an entire force back at work. The plant employs about 85 persons when running at capacity. Orders are small but numerous. Prices have also reacted to some extent, and a small advance has been found necessary.

**Belmont, N. C.**—The Linford and Perfection Mills held their annual meetings last Thursday afternoon at the mill office building. The old officers and directors were elected to serve again for the ensuing year. The sidetracks, warehouses and ten cottages have already been erected at each mill and it was unanimously decided to proceed with the erection of the plants and have them ready for operation as soon as possible. They hope to have them in operation as soon as possible. They hope to have them in operation in 15 months.

**BIRD'S EYE VIEW DRAWINGS**  
(THAT LOOK LIKE A PHOTOGRAPH, MADE FROM AN AEROPLANE.)  
From BLUE PRINTS, I can show how a Proposed Building or Future Development will look—WHEN COMPLETED.  
UNION COTTON MILLS, LA FAYETTE, GA.  
R. J. SHUTTING, CHATTANOOGA, TENN.

## PACKIDE



THE maintenance of perfect spindle speed is so essential we need only mention it. *Packide* is built to turn your spindles accurately and with that continuance of speed that means perfect spinning and maximum output.

**Charlotte Leather Belting Co.**  
Charlotte, N. C.

**Shelby, N. C.**—Reorganization of the Eastside Cotton Mills is now being effected, this mill having until recently been under the same management as the Cash Mills at Gaffney, S. C., which were recently placed into the hands of a receiver. The Eastside Mills are reported to have stood to lose \$143,000 on cotton which was bought at high prices before the mill was ready to run. A settlement of the cotton purchases has been made for \$59,000. Stockholders are now subscribing to preferred stock to pay for the machinery indebtedness.

**Houston, Texas**—The Oriental Textile Mills filed an amendment to its charter, increasing the capital stock from \$600,000 to \$1,800,000. This company has a mill near Houston for the spinning of silk from the silk cocoon raised in Texas and also for manufacturing this silk thread into cloth. The company also owns large mulberry orchards in Southern Texas and is extensively engaged in producing raw silk. Silk culture throughout the state is also being encouraged by the company, which furnishes silk worms to those who desire to experiment with silk culture, at the same time agreeing to purchase all the raw silk that might be produced.

**Southgate Export Coal Co. Open Raleigh Office.**

The Southgate Export Coal Company of Norfolk, Va., have opened an office at Raleigh, N. C., which will be in charge of W. L. Beasley, Southern sales manager.

**Creditors Committee Marlboro Cotton Mills.**

J. M. Miller, president First National Bank, Richmond, Va., H. D. Rossell, vice-president Merchants National Bank, Richmond, Va., and H. L. McCall, president Bank of Marlboro, have agreed to serve on the creditors committee of the

#### SAVE YOUR WASTE PAPER

Bale It—We Buy It.  
CAROLINA JUNK & HIDE CO.  
Box 98 Phone 74  
Charlotte, N. C.

ENGINEERS PLANNING POWER TRANSMISSIONS  
Secure Data and Estimates of  
"MORSE" DRIVES  
SAVE Construction, Space, Light,  
Fuel. Producing More with Less.  
MORSE CHAIN CO., ITHACA, N. Y.  
Engineering Services, Assistance,  
Bulletins, Charlotte  
Atlanta

The late ex-President Roosevelt's motto was  
**Be Prepared!**  
Anticipate your warm weather requirements and order  
**Puro Coolers NOW**  
**DON'T DELAY.**  
40 Feet Coil Pipe—  
Cover with locking device and rubber washer, making an air tight Tank—equipped with PURO Sanitary Drinking Fountain.

**Puro Sanitary Drinking Fountain Co.**  
Haydenville, Mass.  
Southern Agent  
E. S. PLAYER, Greenville, S. C.

**GUDE & CO.**  
All classes of building construction promptly and efficiently executed at reasonable prices.  
**CANDLER BLDG.** **ATLANTA, GA.**

## NEW YEAR Resolutions

Should Contemplate the use of  
**"STANDARD" Mill Receptacles**

### TAPER

with  
irons  
for  
nesting.

**NO-WASTE**  
Seamless  
Roving Cans



### CANS

Cut in  
or drop  
handles  
for lifting.

**TRUCKS**  
and  
**BOXES**  
Plain or Steel  
Clad

Bodies of all Units are made from the BEST HARD VULCANIZED Fibre.  
25 Miller Street **Standard Fibre Co.** Somerville, Mass.

Marlboro Cotton Mills. Two others will be named on the committee.

### Fighting Tax Raise.

Huntsville, Ala.—The Lowe Cotton Manufacturing Company has brought suit against the State Tax Commission, seeking to compel that body to set aside a raise of \$150,000 in the assessment of its property by the Madison County appraiser, Charles Fletcher. Mr. Fletcher raised the assessment of the Lowe Company from \$300,000 to \$450,000. The Madison County Board of Revenue upheld his action.

**Cash Mills Stockholders Meet Feb. 15.**

Gaffney, S. C.—W. G. Hamrick, receiver for the Cash Mills, has given notice of a meeting of the stockholders of the concern to be at the offices of Butler & Hall on February 15th to transact business pertaining to the settlement of the affairs of the corporation. Local stockholders hope that some way may be found by which the mills may be operated, as they feel that there may be a chance of getting a return on the money which they have invested.

**Cotton Mills Hold Annual Meetings of Stockholders.**

Lumberton, N. C.—The annual meetings of the stockholders of the Lumberton, Dresden and Jennings Cotton Mills Companies were held in the cotton mill office building here. The old boards of directors were all re-elected. The old officers of each mill were also elected.

The officers of the Lumberton and Dresden Cotton Mill Companies are: H. B. Jennings president and treas-

**DAVID BROWN CO.**  
Successors to  
WELD BOBBIN AND SPOOL COMPANY  
LAWRENCE, MASS., U.S.A.  
MANUFACTURERS OF HIGH GRADE  
**Bobbins, Spools, & Shuttles**  
For Cotton, Woolen, Silk, Knitting  
and Carpet Mills  
We make a specialty of  
Hand Threading and Woolen  
Shuttles. Enamelled Bobbins  
and all kinds of Bobbins and  
Spools with Brass or Tin  
Re-enforcements.  
Write for quotations

## THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Company's method of humidifying, all such requirements are GUARANTEED.

Our COMINS SECTIONAL HUMIDIFIERS  
Our FAN TYPE and HIGH DUTY HUMIDIFIERS  
Our VENTILATING Type of Humidifier (Taking fresh air into  
the room from outside)  
Our ATOMIZERS or COMPRESSED AIR SYSTEM  
Our COMPRESSED AIR CLEANING SYSTEM

Our CONDITIONING ROOM EQUIPMENT  
Our AUTOMATIC HUMIDITY CONTROL (Can be applied to  
systems already installed)  
Our AUTOMATIC TEMPERATURE CONTROL  
Are all STANDARDS OF MODERN TEXTILE MILL EQUIP-  
MENTS.

RUSSELL GRINNELL, President

**AMERICAN MOISTENING COMPANY**  
BOSTON, MASS.  
SOUTHERN OFFICE, Atlanta Trust Company Building, ATLANTA, GEORGIA

FRANK B. COMINS, Vice-Pres., and Treasurer

urer; A. W. McLean, vice-president; F. P. Gray, secretary and assistant treasurer; A. M. Hartley, cashier.

The officers of the Jennings Cotton Mill Company are: H. B. Jennings, president and treasurer; A. E. White, vice-president; F. P. Gray, secretary and assistant treasurer; A. M. Hartley, cashier.

#### More Than 12,000,000 Bales Cotton Ginned.

Washington, Jan. 24. — Cotton ginned prior to January 16 amounted to 12,016,465 bales, exclusive of linters and including 204,624 round bales; 73,481 bales of American-Egyptian, and 1,664 bales of sea island.

Ginnings prior to January 16 last year amounted to 10,307,120 bales, including 111,873 round bales, 34,023 bales of American-Egyptian and 6,712 bales of sea island.

Ginnings by states this year:

Alabama, 646,697; Arizona, 87,574; Arkansas, 1,016,352; California, 55,023; Florida, 18,536; Georgia, 1,387,559; Louisiana, 376,653; Mississippi, 841,240; Missouri, 61,233; North Carolina, 801,746; Oklahoma, 1,050,830; South Carolina, 1,506,752; Tennessee, 277,792; Texas, 3,862,254; Virginia, 14,549; all other states, 11,675.

#### Textile Training Department for New High School.

Probably the first textile training department installed in any mill school of the South will be that of the new high school building being erected by the Graniteville Manufacturing Company at Graniteville, S. C., for the use of its employees. The entire ground floor of the structure will be devoted to this department, and the most advanced type of machinery will be installed and used for textile instruction.

The main and second floors of the building will be used for regular class rooms, of which there are 14

in addition to the textile rooms. Additional space is provided for other necessary departments and auxiliary rooms for superintendents and teachers.

The auditorium provides ample space for public entertainments, picture shows and similar amusements for the general public. The building itself is elaborate in design, and the land about it will be improved with shrubbery, trees and grass plots and pretty walks. The entrances will be attractive and imposing.

Work on the new structure was started in October, and will be completed about April 15, 1921. Hollow tile, brick and reinforced concrete are used in the building, which has a granite base. The granite is being taken from local quarries, and will be used to include up to the main floor. The two upper stories have red rough texture bricks laid in black mortar, being used together with cast cement.

Willis Irvin of Augusta, Ga., is the architect, and the general contract for construction has been awarded E. A. Fonda of Greenville, S. C.

#### New Colors.

United Chemical Products Corp., York and Colgate streets, Jersey City, N. J., are getting out a new Sulphur Blue called Sulphur Navy Blue U. C. P. Cone., 100 per cent which gives identically the same shade as indigo at a very low percentage. We wish to call the attention of the mills to this blue and would be glad to send samples to anyone interested.

We also are getting out several other new colors, Direct Brown G Cone., Direct Brown C Cone., Direct Brown R. Cone., Direct Blue 2 B Cone., Direct Green B and G Cone., and in a few days will have out Direct Black, Sulphur Yellow G and a new Sulphur Black L and Sulphur Brown D. These colors are all high

grade materials and we guarantee the quality in every particular, and would thank the mills for their inquiry.

#### Cleveland County Mills Running.

Shelby, N. C.—All cotton mills in Cleveland county are again operating on full time with reduced wages from 20 to 40 per cent. There is a better feeling among farmers and business men as to the future outlook, but farmers are swinging on to fully 15,000 bales of cotton. Less than half of the crop is unsold and it is estimated that 1,000 bales will be left in the fields unpicked.

#### Pelham Cotton Mill is Running.

Pelham, Ga.—The Consolidated Textile Corporation, Pelham Division, resumed operations Monday on full time. Up until three weeks ago the mill had been operated on three days time, but operations at that time were suspended indefinitely. The announcement that the mill will resume operations on full time will be pleasing to the business men of this section.

A number of improvements have been made to the mill since its sale by the Hand Trading Company, to New York interests early last year. Among them was the increasing of the capacity more than 30 per cent by the addition of new machinery and the building of additional housing facilities. The Pelham Mill is one of the largest in this section of the State, and has paid handsome dividends for a number of years.

#### Greenville Mills Running Full Time.

Greenville, S. C.—Of the 22 cotton mills in and around Greenville and the many others in this immediate section, one textile man asserted that he knows of none which is running on a curtailed schedule.

"I have heard reports that num-

bers in North Carolina and in other parts are still holding down production," he stated, "but I do not call to mind a single one in this locality which is not operating the full six days a week. One of the mills, the Anderson Cotton Mills, at Anderson, is running night and day."

While curtailment of production seems to be regarded as unnecessary now, it is true that most of the plants are on full time at readjusted wage scales, and those who have not cut wages or have made only small reductions are now in the process of coming down to the level of other mills. One company, the Excelsior Knitting Mills, of Union, has announced an additional wage reduction of 10 per cent, this being the third cut within recent weeks and bringing the total reduction to 30 per cent.

#### Profile Mills in Government Tax Dispute.

As a result of a tax dispute between the Federal government and the Profile Cotton Mills, Jacksonville, Ala., agents of the revenue department have served notice of the seizure of fifteen hundred cases of yarn stored in the mill's warehouses and posted public notice that these goods will be sold at public auction on February 8th to satisfy unpaid taxes claimed by the government. Notice of the intended sale is signed by A. L. Lisenby, deputy revenue collector.

It is reported that the disagreement over the taxes claimed by the government covers a period of several years and is said to involve an amount of over \$200,000. A recent attempt to adjust the matter failed, it is said, even though a joint audit has been made of the mill's books.

The seizure of the manufactured goods by government agents does not indicate that the Profile Mills are involved in financial trouble, it is stated in Jacksonville, but is only

#### Photograph of those attending Meeting of Spinners Section



## SOUTHERN TEXTILE BULLETIN

a routine step followed by the government in such cases.

W. I. Greenleaf, vice-president and active manager of the Profile Mills, is reported to be en route between New York and Jacksonville by automobile. It is thought that his return to Jacksonville will be followed by an application for an injunction against the government agents to prevent the sale of the goods seized.

Reports from Jacksonville stated that the Profile Mills were closed for a short time after Mr. Greenleaf went to New Hampshire in October, but are now running on full time with every indication of continued activity. Mr. Greenleaf has for years spent a great deal of his time at his New Hampshire home.

#### How to Change Twister Travelers on Heavy Yarns.

Editor Southern Textile Bulletin,  
Charlotte, N. C.

Gentlemen:

Replies to "Georgia Overseer's" question, "How to change twister travelers on heavy ply yarns such as 7s 7-ply?"

I am running several frames on 7s 7-ply which requires from a 45 to 50-grain traveler on a 4-inch ring. To get them on the ring I press the small end of a single head bobbin against the traveler and give the other end a light tap with a mallet. To force the traveler on the ring. I find it best to change the traveler when bobbin is about half full, as they start off much easier than when empty. I usually change them every ten or twelve days. Twister traveler pulls harder the first day or two and enables one to get more yarn on the bobbin. The longer they run the lighter they pull and take less yarn to fill the bobbin. The life of the traveler depends on the condition of the ring and the speed of the frame.

(Signed) SOUTH CAROLINA.

#### L. W. Clark Visits North Carolina Textile School.

L. W. Clark, general manager of the Carolina Cotton and Woolen Mills Company, Spray, N. C., was a recent visitor to the North Carolina Textile School, Raleigh, N. C., which is a department of the North Carolina State College.

Mr. Clark spoke to the Senior Class on the opportunities for young men with a technical education in the mill and allied industries.

There are seventeen members of the Senior Class which will be the largest class that has ever graduated from this Textile School.

The mills of which Mr. Clark is general manager are located in Spray and Draper, N. C. These mills are controlled by the Marshall Field Company, Chicago, as well as other mills in Fieldale, Va., and Leaks-ville, N. C.

David Lindsay, a graduate of the North Carolina Textile School, is superintendent of the mill at Fieldale. Another graduate of this school is assistant manager of one of the plants in Spray.

#### Statesville Mills Look for Big Business.

Statesville, N. C.—The manufacturing interests of Statesville are getting ready for a good business year which all are confidently looking forward to, some of the mills being enlarged to meet the demand for an increased output. Ten thousand additional spindles are being installed in the Bloomfield Cotton Mill, and will be ready for operation by March 1, or earlier. The new machinery represents an investment of \$65,000. In speaking of the investment at this time, N. B. Mills, president of the company, said: "The cotton business has a safe future. It is only a matter of a short time until all mills everywhere will be hum- ming on full time, but orders will

not be as abundant, and neither will the price be so high." The Bloomfield mill is now running on full day time, and the Paola Mill, of which Mr. Mills is also president, also is running on full time.

F. B. Bunch, secretary-treasurer of the Statesville Cotton Mill, is very much pleased with the present outlook. The fact that orders are coming in sufficient numbers to

keep the mill running and a large number of inquiries are being received gives hope that normal conditions will be reached within a short time, and that the price will be fully stabilized. William Wallace is president of the Statesville Cotton Mill and Isidore Wallace is largely interested in the mill.

The Superior Yarn Mills is running on half time now and the manager, J. B. Hall, announces that he plans to start on full time at an early date, in view of the fact that the cotton situation is improving rapidly.

The Queen Hosiery Mill, which will employ 75 persons, will resume operations on February 1, according to plans now being made and announced by R. C. Bunch, general manager. "Cotton trade conditions have improved to such an extent," said Mr. Bunch, "that we plan to

start our mill by February 1, or not later than February 15th, at least." Mr. Bunch displays a great deal of confidence for his industry in Statesville, and predicts that if every one will take hold of business with confidence, that the depression that has hindered us for a while will soon disappear.

The Liberty Hosiery Mill is being rebuilt. The walls have already been rebuilt, the machinery has been ordered and other things done toward reviving it since the disastrous fire sometime ago which completely destroyed the structure and its equipment. The general manager, W. F. Hall, states that the mill will resume operation as soon as

the machinery can be secured and installed, which will be within a few months. Mr. Hall is also interested in the cotton mill business of this city and he expresses the belief that the spinning and knitting industry has better prospects coming.

#### Newport Chemical Works Discontinues New York Office.

The Newport Chemical Works, Inc., has discontinued its New York office. All business heretofore conducted at this office will be handled at the general offices at Passaic, New Jersey.

The officers of this company are: Mr. C. N. Turner, president; Mr. E. H. Killheffer, vice-president, in charge of sales; Mr. J. F. Blackie, vice-president, in charge of operation; Mr. H. H. Springford, treasurer; Mr. R. W. Wilmer, secretary.

Mr. C. N. Turner, president of this company, formerly located in Milwaukee, has moved his office to Passaic, New Jersey.

Of the higher institutions of learning in Canada, Queen's University easily takes the lead in the number of its women graduates.

It's a wise joke that knows its own father.

Young man with \$20,000 to invest desires to make connection with small mill. Address Investment, care Southern Textile Bulletin.

#### Hosiery Mill Wants Superintendent.

Must be well qualified and understand the making and finishing of cotton hosiery. Reply in own handwriting, stating what experience you have had and salary you would expect. Hosiery Mill, care Southern Textile Bulletin.

of Southern Textile Association, Spartanburg, S. C., Jan. 21, 1921





It requires considerable time and patience to bend a straight link at just the correct place to properly fit into a Renewable Fuse. Usually one end is bent just too much or too little to expose the figures under the windows in the cap, and to make proper contact at the other end.

To eliminate this difficulty, "Union" Renewable Fuses come with one end bent to the proper length. Simply drop the link into the casing, slip on the washers, tighten caps with the fingers, and the fuse is ready for service. Time? Less than it takes to tell it.

This is only one of a number of exclusive features which make "Union" the easiest and quickest fuse to renew.

"Union" Fuses, both Renewable and Non-Renewable, are for sale by leading electrical jobbers and dealers. The National Board of Fire Underwriters have given both types their very highest approval.

Free Descriptive Booklet Sent on Request

**Chicago Fuse Mfg. Co.**



CHICAGO

Oldest and Largest Manufacturers of Fuses,  
Electrical Protecting Materials and Conduit Fittings.



NEW YORK



*Originators of better methods for 88 years*

THE mere existence of a record of 88 years of continuous service implies something above ordinary competency. Add to this a series of enduring engineering achievements in the development of the cotton mill and textile industries and you will appreciate the position now held in these fields by Lockwood, Greene & Co., Engineers.

It is a position of leadership fairly earned through 88 years of closest affiliation with cotton mill and textile interests.

We helped in the solution of early problems. Subsequent years of growth and expansion found us ready to cope with later problems and to envisage future needs. Today, Lockwood, Greene & Co., Engineers, continue to render to the cotton and other textile industries, an engineering service combining originality and practical knowledge.

So it is with confidence that we suggest that the solution of your engineering problems be entrusted to the experience and resourcefulness of this company.

**LOCKWOOD, GREENE & CO.  
ENGINEERS**

EXECUTIVE OFFICE, 60 Federal Street, BOSTON

BOSTON  
DETROIT

ATLANTA  
CLEVELAND  
SANTIAGO, CHILE

CHICAGO  
CHARLOTTE  
LOCKWOOD, GREENE & CO. OF CANADA, LIMITED, MONTREAL  
COMPAGNIE LOCKWOOD GREENE, PARIS, FRANCE

NEW YORK  
PHILADELPHIA

**Mill Sales During 1920**

(Continued from Page 24.)

Henry River Mfg. Co., Henry River, N. C. Capital stock \$400,000; spindles, 8,000. Present officers, M. L. Mauney, Cherryville, N. C., president; D. W. Aderholt, treasurer. Former officers, A. L. Quicke, president; D. W. Aderholt, treasurer.

Bloomfield Mfg. Co., Statesville, N. C.; capital stock, \$106,900; spindles, 6,700. Present officers, N. B. Mills, president, and L. M. Mills, secretary. Control in this mill was purchased by J. W. Cannon, of Concord.

Tucker & Carter Rope Co., Tuckertown, N. C.; name changed to Nancy Cotton Mills. Capital, \$200,000. Old equipment discarded; will install 10,000 spindles in 1921. Present officers, John C. Lawson, president; Charles McCanless, Salisbury, secretary. The mill had for some years been in the hands of a trustee, H. W. Roper, of New York.

Bamberg Cotton Mill Co., purchased by Santee Mills, of Orangeburg; name changed to Santee Mills. Spindles, 14,848; looms, 400. No change in officers.

Banna Mfg. Co., Goldville, S. C.; capital, \$248,000; spindles, 14,324; looms, 315. Present officers, W. A. Moorhead, president; F. H. McGhee, Greenwood, S. C., treasurer. Former officers, George M. Rice, president; J. P. Matthews, treasurer.

Union Cotton Mill, LaFayette, Ga.; purchased by Consolidated Textile Corporation; name changed to Union Division, that corporation. Spindles 23,152; looms, 462. Former officers, Scott L. Probasco, Chattanooga, Tenn., president; W. S. Enloe, Jr., treasurer.

The Maiden Cotton Mills, Maiden, N. C., operating two plants, sold one of these which is now known as the Center Cotton Mills. Capital stock, \$250,000; spindles, 3,000. Present officers, J. W. Whisnant, president; S. L. Heffner, treasurer. R. B. Kilian was former president.

The Adrian, Alsace and Woodlawn Mills and the American Processing Co., Mt. Holly, N. C., and the Union Mills, Maiden, with a total of 47,116 spindles, were consolidated under the name of the American Yarn and Processing Co., capitalized at \$3,500,000. C. E. Hutchinson is president and treasurer.

Newton Cotton Mills, Newton, N. C., was taken over by the McCance interests of Salisbury, N. C. Capital stock, \$400,000; spindles, 11,500. A. B. Kuhn succeeded A. E. Reynolds as secretary and treasurer.

The Holston Mfg. Co., with plants at Lenoir City, Cleveland and Morristown, Tenn., were purchased by the Scott-Kitzmiller Co. The mills Supt. .... Cotton Grader

**SOUTHERN TEXTILE BULLETIN**

have 6,000 spindles and 825 knitting machines. Wm. A. Long is manager; F. A. Weiss, of Knoxville, was formerly president.

The Pinewood Cotton Mills, Pinewood, Tenn.; capital stock, \$100,000; spindles, 2,415; looms, 44, which had been idle since 1909, was purchased from R. M. Hall by A. H. Grisby, of Centerville, Tenn.

Bonham Cotton Mills, Bonham, Bonham, Texas, capital stock, \$200,000; spindles, 45,776; looms, 433, were purchased by the Consolidated Textile Corporation and are now operated as the Bonham division of that company. Hugh Hartsell was former president and J. G. Sanders, secretary and treasurer.

The Virginia Consolidated Milling Co., of Petersburg, Va., was purchased by F. L. Robbins, who was formerly president of the company. The name of the mill was changed to the Pocahontas Cotton Mills. It has 7,072 spindles and 300 looms.

The Ethel and Lizzie, capital stock \$300,000; spindles, 18,600; purchased by W. C. Johnston and associates, or Charlotte; name changed to the Eastern Mfg. Co. M. C. Winston was formerly president and Miss Carrie Nicholson, secretary and treasurer.

The Rhodhiss Mfg. Co. and the E. A. Smith Mfg. Co., Rhodhiss, N. C., combined spindleage, 30,000; looms, 942; formerly operated under the direction of R. C. Moore, Charlotte, president, were purchased by a syndicate and consolidated into one company, there being no change in the officers except that Walter S. Taylor, secretary, was succeeded by E. C. Marshall.

The Capelsie Mill, Troy, N. C., capital, \$200,000; spindles, 5,000; name of mill changed to Rhyne-Anderson Mills. Present officers, E. O. Anderson, Charlotte, president; H. C. Long, Jr., secretary-treasurer.

The Kimesville Mfg. Co., Kimesville, N. C., with 4,080 spindles, was dismantled, the machinery being sold and moved elsewhere.

**Whitney Manufacturing Company****Whitney, S. C.**

B. R. Burnham ..... Supt.  
Robert Huskey ..... Carder  
T. O. Ross ..... 2d Hand Carding  
D. J. Quillen ..... Spinner  
F. W. Waldrop ..... 2d Hand Spinning  
W. G. Norris ..... Slasher  
A. L. Carmen ..... Weaver  
T. M. Brown ..... 2d Hand Weaving  
L. R. Pearson ..... 2d Hand Weaving  
J. W. Sawyer ..... Cloth Room  
Oscar Glover ..... Shipping Clerk  
T. F. Henderson ..... Outside Foreman  
J. C. Hewitt ..... Master Mechanic  
Supt. .... Cotton Grader

**Good Time to Overhaul Machinery**

Your PRODUCTION as well as the LIFE of your frames depend on the condition in which they are kept. The QUESTION then is, are your frames needing overhauling?

We are the PIONEER OVERHAULERS of the South and are today the LARGEST OVERHAULERS in our special line.

We are in position to furnish men promptly for erecting, moving and overhauling cotton mill machinery.

**SOUTHERN SPINDLE & FLYER COMPANY, Inc.**

CHARLOTTE, N. C.

Manufacturers, Overhaulers and Repairers of Cotton Mill Machinery.  
W. H. Monty, President and Treas.

W. H. Hutchins, Vice Pres. and Sec.

**Laurens, S. C.**—The Mojoto Mills are now making samples in their new mill and will soon start the production of leno curtains and pillow tubings. The mill is equipped with 24 looms.

**Athens, Ga.**—The North Georgia Cotton Mills Co., recently organized with John T. Hill as president, has completed the installation of machinery for its plant and will have a daily capacity of 5,000 pounds of cotton yarn.

**Lincolnton, N. C.**—The new mill being built for the Melville Manufacturing Company is expected to be ready for the production of goods by the fall, according to a statement from the company.

## Special Announcement to the Southern Textile Mills

Shambow Shuttle Company, Woonsocket, Rhode Island  
announce the appointment of

### The Walraven Company, Atlanta, Ga.

as their

**SOUTHERN DISTRIBUTORS**

with a complete service

and advisory department

in charge of

Mr. A. W. Angell

**THE SHAMBOW LINE INCLUDES:**

Fibre Reinforced Shutles

Fibre Reinforced Picker Sticks

Dogwood and Persimmon Shutles

Spools, Bobbins and Skewers

Cotton and Duck Reeds

Stock Bronze Bushings and Rods

Mill Necessities

Textilac Finish for Bobbins and Spools

This announcement should be of special interest to every Textile Mill in the South as it means prompt deliveries with a service department in charge of a direct Factory Representative whose entire time will be at the disposal of the Mills, in helping reduce shuttle troubles to a minimum. **LET HIM EXPLAIN TO YOU THE ADVANTAGES OF USING SHAMBOW FIBRE REINFORCED SHUTTLES.**

THE WALRAVEN CO.  
Southern Distributors—Atlanta, Ga.

SHAMBOW SHUTTLE COMPANY  
Woonsocket, R. I.



**GARLAND**  
LOOM PICKERS and  
LOOM HARNESSSES

GARLAND MFG. CO., SACO, ME.

Thursday, January 27, 1921.

(Continued from Page 27.)  
business. Well, he isn't going to get ours.

"Your 1920 edition of the Annual Review has been on my desk for the past year, and there is not a week that passes that I do not refer to it for something of information which is valuable, and we presume the other fellow does the same thing, and the same being the case, we think a page ad. in this number is worth the money and then some.

"Therefore, you may reserve us a page ad. in the Annual Review, per the card herewith enclosed, and the copy for same will be sent you early next week. We are also enclosing a copy for a change in the little ad. which you may make in the next issue.

"We think we have done fairly well. We have just now gotten our prices to where we can make good, and we can hold to same and undersell all our competitors at all times and our aim is to double our 1921 business over 1920.

"Our prospects are in a nutshell: 1,200 mills in the South; 148 of these

mills took care of us in 1920, with a thousand mills to work on, and with weaving.

the recommendations we have in the folder herewith enclosed we should get our part of the business. Read some of them at your leisure and see the class of mills and what they have to say and you will readily see what our prospects are, and that we are going to win, with the help of the Southern Textile Bulletin and our advertising matter sent out from this office.

"Kindly excuse this lengthy letter, but we just had to tell you the conditions which you are entitled to know. We believe in the Southern Textile Bulletin. It has made us and is going to make us bigger. It certainly pays to advertise in your medium, and you can say to prospective customers in your line that it pays to advertise in the Southern Textile Bulletin.

"I think I have made this assertion once before. Well, I repeat it again: that we don't want a single issue of the Bulletin to fail to have our ad. in it. If you do, you sure will have the assets of this company behind a law suit for negligence on your part."

aration, warping preparation and weaving.

In addition to the laboratory and plant tests, the Cotton Research Company performs the service of collecting existing information and results of tests found in the various mills and occasionally investigates the merits of a new machine in co-operation with mills which are using the machinery in question—and which would like to have specific information as to exactly what the machine will do.

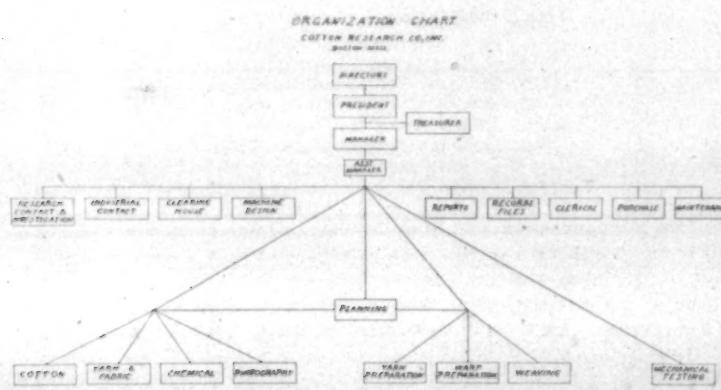
For instance, a mill superintendent may wish to put in machine floor scrubbers and would like to know what success other people have had with them and which one to buy, or he may be interested in cleaning machinery, such as Gorday Hay.

In every mill there are a large number of ideas in the minds of second hands, operators and overseers but usually the facilities for experimental work are limited and

there is little time to investigate them thoroughly.

The Cotton Research Company offers to their mills the service of designing, making thorough investigation of such manufacturing ideas as may originate in the mills. For this purpose we have a small machine shop and the necessary personnel to perfect such ideas.

The company attempts to keep in touch with research carried out in this country and abroad and in cases that may be called pure research is very glad to co-operate and exchange this type of information. Industrial research can never progress very far unless fundamental research is done and in keeping with the attitude of all men, we are only too glad to add to the general fund of information, any basic information which will lead ultimately to placing the textile industry in the position commensurate with that of the science of electricity and steel manufacture.



#### Cotton Research Company Collecting Information.

The Lockwood Greene and Pacific Mill interests have for a long time past realized the value of research in cotton manufacture and to this end they organized a Research Committee which had for its object the collection of information and the making of tests in the various mills. The members of this committee soon realized the necessity of organizing a central place where tests could be carried out carefully and scientifically and where the men in charge of the tests could give their entire time to the running of tests which are rather difficult to conduct in a mill where the primary object is keeping the machinery running.

The object of the Cotton Research Company is very briefly stated as an organization which obtains facts underlying the manufacture of cotton materials and having obtained these facts applies them to manufacturing with the object of obtaining better efficiency and the creation and maintenance of new and proper standards of raw and finished products.

The undertaking is new and there are no precedents from which to devise this type of organization;

however, the following organization was decided upon and is very clearly shown in the chart.

Each of the mills represented in the Lockwood, Greene and Pacific Mill group controls an amount of stock in proportion to their size and each mill has a director. The Board of Directors through the president outlines the general policies of the company and the manager executes these general problems.

A test or a research request coming to the company is referred to the planning board which is composed of manager, assistant manager, laboratory chief and plant superintendent. In this planning board the details of the research in so far as possible are carefully compiled and the work scheduled through the plant and laboratory. The complete details of the laboratory and plant tests are brought together in the planning board and the results discussed and conclusions drawn or referred back for further investigation. The report is finally written and sent out to the mills interested.

The laboratory consists of very complete equipment for testing the physical properties of raw cotton, yarns and fabric and the equipment is fairly complete for chemical testing and photographic investigation. The plant is divided into yarn prep-



View Section Machine Shop, Atlanta Brush Co., Atlanta, Ga.

#### Atlanta Brush Company Serves Dixie Industries.

The Atlanta Brush Company of Atlanta, Ga., was organized in August, 1920, with Atlanta capital under the direction of T. C. Perkins, president and treasurer, and took over the entire assets and good-will of the D. D. Felton Brush Company, of that city. The capital of the new company, \$500,000, was fully paid in.

The new plant occupies the entire third floor of the building at the corner of Central and Trinity avenues with a floor space of 7,500 square feet, and is equipped with modern brush making and wood-working machinery. They are specializing on industrial brushes of all kinds, being equipped to manufacture every brush used by cotton,

woolen and silk mills, as well as moulders, tanners, fruit packers.

In the manufacture of their products bristles from China, Russia and Japan—horse hair from Siberia, North and South America, China and

Japan, Tampico, fibre of different kinds, bass and bassine, and many other materials are used. The blocks and handles are made from poplar, beech, maple, sycamore, gum, persimmon, dogwood, according to the use of the brush. In construction, four different methods are used—wire drawn by hand, pegged by hand, pitch set, punch and twisted wire by machinery.

Their plant is also fully equipped to manufacture and repair all kinds of cylinders used in industrial plants, and they are equipped to make entirely new cylinders of any kind and filled with any stock required. The entire line known by the Felco trade mark will be continued.

The new company's service is one of its outstanding features. Expert workmen are maintained the year round to take care of the many departments, and it is their slogan to turn out only brushes of high quality, and to serve the industries of the South in the best possible manner.

**G.E. Motors  
Edison Lamps  
Insulating Materials  
Renewable Fuses  
Wiring Supplies**

We represent the most reliable manufacturers and maintain large stocks of electrical supplies.

**PERRY-MANN  
ELECTRIC CO.**

Columbia

South Carolina

**Sullivan Hardware  
Company**

Anderson, S. C.

*State Distributors for*  
The PREST-O-LITE Company  
  
Oxy-Acetylene Welding and  
Cutting Apparatus  
and Supplies

**MONTGOMERY & CRAWFORD  
SPARTANBURG, S. C.**

You can control all rope stretch in the English system rope drive by simply twisting this coupling with rope in position on the pulleys, thus saving all splicing costs and delays. Stretch is controlled by twisting up the strands of the rope, which also maintains the original rope diameter. An internal lock in the coupling holds the rope to the shorter length.



The coupling is furnished only with the Hunt "Stevedore" brand, manila transmission rope, plumbago and tallow laid. Catalog describing the coupling and "Stevedore" transmission rope sent on request.

**HOLYOKE BELTING**

Try a roll of "Submarine" W. P., the original and best water-proof belt on the market.



An intensely white oil paint for mill and factory interiors. Eliminates the dark corners, feeds up production and makes the most of the available daylight.

Du-Lite will not chip or flake off—can be repeatedly washed and will not yellow with age.

Supplied in Flat, Eggshell and Gloss Finish.

A sanitary and well lighted factory is a paying investment. Du-Lite will do it.

**U. S. BOBBIN & SHUTTLE CO.**

Quality Goods

Bobbins, shuttles and spools of every description. Inquiries solicited for new equipment.



"DOUBLES DAYLIGHT"



## They Stand The Gaff For Years

Laminar Mill Receptacles are as smooth as paper, as strong as iron and as light as wood. They will not rust or corrode. In fact, there doesn't seem to be any wear-out to them—they are made of VUL-COT fibre—it's as tough as horn.

These Laminar Mill Receptacles are made in the form of trucks, doffing boxes, roving cans, and all sorts of special boxes, cans and trays.

### Remember that

Laminar Mill Receptacles that were turned out 25 years ago are still on the job at some of the largest industrial plants in the country.

These are the receptacles you want in your place. Let us send prices and illustrations. Your name and address on a post card will do.

Sole Proprietors and Manufacturers

### American Vulcanized Fibre Co.

New England Department, C. C. Bell, Res. Mgr., 12 Pearl Street, BOSTON, MASS.

Head Office and Factories, Wilmington, Del.

**LAMINAR**  
MILL RECEPTACLES

Thursday, January 27, 1921.

### Spinners Meet in Spartanburg.

(Continued from Page 16)  
on spinning frame on reverse twist so as to take all the "kink" out or in other words balance the twist.

Mr. Boyd explained the meaning of balanced twist.

Mr. McCombs read extracts from letter from I. C. S. in explanation of the balanced twist. This letter was turned over to Mr. Harris for reference.

Mr. Harris suggested that another spinners' meeting would probably be held in September and that announcements would be made later.

All those present entered heartily into the discussions and seemed well pleased with the meeting.

Among those attending the spinners' meeting were the following:

Anderson, Geo. H., Manager, Victor Monaghan Co., Greer, S. C.

Anderson, Lang N., Genl. Mngr., Vir-

ginia Mfg. Co., R. No. 3, Fountain

Inn, S. C.

Anthony, D. S., Manager, Eastside

Mfg. Co., Shelby, N. C.

Bagwell, R. F., Supt., D. E. Converse

Co., Glendale, S. C.

Bahan, W. M., Bahan Machinery Co.,

Union, S. C.

Barnett, J. D., Overseer, Consolidated

Textile Corp., Shelby, N. C.

Becknell, W. W., Supt., Arkwright

Mills, Spartanburg, S. C.

Bell, Frank G., Jr., Parks-Cramer

Co., Charlotte, N. C.

Boyd, H. H., Supt., Chadwick-Hos-

kins Co., Charlotte, N. C.

Briggs, A. F., Supt., Osage Mfg. Co.,

Bessemer City, N. C.

Bright, R. N. L., Cloth Room Over-

seer, Fairmont Mfg. Co., Fairmont,

S. C.

Britton, W. J.

Brown, J. W., Arkwright Mill, Spar-

tanburg, S. C.

Burnham, B. R., Supt., Whitney Mfg.

Co., Whitney, S. C.

Campbell, C. D., Overseer Spinning,

Chadwick-Hoskins Co., Charlotte,

N. C.

Capps, J. E., Overseer Carding, F.

W. Pope Mfg. Co., Greenville, S. C.

Carter, A. B., Secy. Southern Textile

Assn., Greenville, S. C.

Carter, J. A., Overseer Spinning,

Clifton Mfg. Co., Clifton, S. C.

Cash, E. R., Cash Mills, Gaffney,

S. C.

Chandler, G. L., Supt., Gaffney Mfg.

Co., Gaffney, S. C.

Chandler, L. N., Overseer Spinning,

Campderdown Mills, Greenville, S.

C.

Chapman, Jas. A., Jr., Supt., Inman

Mills, Inman, S. C.

Clark, C. C., Salesman, Seydel Mfg.

Co., Spartanburg, S. C.

Clark, David, Editor, Southern Tex-

tile Bulletin, Charlotte, N. C.

Collins, T. C., Overseer Spinning,

Brandon Mills, Greenville, S. C.

Corwin, F. R., Industrial Secy., Y. M.

C. A., Spartanburg, S. C.

Cothran, J. T., Overseer Spinning,

Spartan Mills, Spartanburg, S. C.

Covington, I. B., Supt., Florence

Mills, Forest City, N. C.

Crook, J. F., Spartanburg, S. C.

Crowder, J. J., Overseer Spinning,

West Point Mfg. Co., Shawmut,

Ala.

Culberson, A., Textile Engineer,

Hunter Mfg. & Commission Co.,

New York.

Davis, R. I., Spinner, Calhoun Mills,

Calhoun, S. C.

Davis, W. F., Supt., Brandon Mills,

Greenville, S. C.

Dean, Geo. M., Supt., Saluda Mfg.

Co., Greenville, S. C.

Dilling, Marshall, Supt., A. M. Smyre

Mfg. Co., Gastonia, N. C.

Doggett, C. H., Cowpens, S. C.

Doggett, W. F., Supt., Cowpens

Mills, Cowpens, S. C.

Dunn, D. C., Salesman, Stafford Co.,

Charlotte, N. C.

Escott, Albert, Editor, Mill News,

Charlotte, N. C.

Esty, N. F., Traveling Salesman,

Montgomery & Crawford, Spar-

tanburg, S. C.

Evans, C. R., Cloth Room Overseer,

Cowpens Mfg. Co., Cowpens, S. C.

Evans, S. B., Spinner Irene Mills,

Gaffney, S. C.

Frye, G. V., Carder, Henrietta Mills,

Caroleeh, N. C.

Gaddy, R. L., Supt., Irene Mills, Gaff-

ney, S. C.

Gammon, J. S., Overseer Spinning,

Exposition Mills, Atlanta, Ga.

Gibson, J. B., Section Man, Victor-

Monaghan Mill, Walhalla, S. C.

Gibson, L. B., Supt., Fairmont Mfg.

Co., Fairmont, S. C.

Gobbel, H. L., Supt., Glencoe Cotton

Mill, Columbia, S. C.

Green, M. L., Spinner, Pacolet Mfg.

Co., Pacolet, S. C.

Grimes, M. T., Supt., Gluck Mills,

Anderson, S. C.

Hamrick, G. A., Carder and Spinner,

Pacific Mills, Columbia, S. C.

Hanson, J. R., Overseer Spinning,

Glencoe Mill, Anderson, S. C.

Harris, Carl R., Night Supt., Lancas-

ter Cot. Mill, Lancaster, S. C.

Harrison, S. E., Salesman, Barber-

Colman Co., Greenville, S. C.

Harvey, Thos. W., Mngr. and Supt.,

L. H. Gilmer Co., Millen, Ga.

### Chattanooga Boiler & Tank Company

Tanks, Towers and Tanks and Standpipes for Water Supply and Sprinkler Systems.

Tanks for storage of acids and other liquids.

Smoke Stacks, Breechers and Specials.

Tanks for all purposes which any reader of this article may have.

TANKS—any size—any purpose—anywhere

CHATTANOOGA

:-

TENNESSEE

Hawkins, J. M., Overseer Spinning, Mills Mill, Greenville, S. C.  
 Hicks, D. W., Sec., Irene Mills, Gaffney, S. C.  
 Huff, C. D., Spinner, Woodside Cotton Mill, Simpsonville, S. C.  
 Huff, J. H., Supt., Camperdown Mills, Greenville, S. C.  
 Hughes, A. Y., Overseer Weaving, Calhoun Mills, Calhoun Falls, S. C.  
 Hughes, G. T., Overseer Weaving, Victor-Monaghan Mill, Greenville, S. C.  
 Hunt, J. W., Spinner, Henrietta Mills, Caroleen, N. C.  
 Hunter, D. W., Selling Agent, Saco-Lowell Shops, Charlotte, N. C.  
 Ille, Jack, Keever Starch Co., Greenville, S. C.  
 James, N. J., Asst. Supt., Henrietta Mills, Caroleen, N. C.  
 Johnson, J. B., Overseer Weaving, Fairmont Mill, Fairmont, S. C.  
 Johnson, W. C., Overseer Spinning, Woodside Mill, Greenville, S. C.  
 Keasler, J. Y., Overseer Weaving, Cowpens Mills, Cowpens, S. C.  
 King, J. S., Overseer Cloth Room, Easley Mill No. 1, Easley, S. C.  
 Knowles, E. P., Overseer, Consolidated Textile Corp., Ella Div., Shelby, N. C.  
 Lancaster, M. B., Supt., Pacolet Mfg. Co., Pacolet, S. C.  
 Laughridge, A. G., Salesman, Atherton Pin Grid Bar Co., Greenville, S. C.  
 League, D. W., Overseer Weaving, F. W. Poe Mfg. Co., Greenville, S. C.  
 Ledwell, B. L., Supt., Yount Cotton Mills, Conover, N. C.  
 Loftis, W. P., Spinner, Woodruff Cotton Mill, Woodruff, S. C.  
 Lowrance, B. Arp., Associate Editor, Southern Textile Bulletin, Charlotte, N. C.  
 Lylerand, S. R., Union-Buffalo Mills Co., Union, S. C.  
 McAbee, G. E., Second Hand, Woodside Mills, Greenville, S. C.  
 McCall, C. F., Overseer Spinning, Union-Buffalo Mills Co., Union, S. C.  
 McCall, Harry, Union-Buffalo Mills, Union, S. C.  
 McCombs, J. V., Supt., Buffalo Mills, Union, S. C.  
 McGarity, Pat, Asst. Supt., Arcadia Mills, Arcadia, S. C.  
 McMahon, J. R., Overseer Spinning, Victor-Monaghan Mill, Greenville, S. C.  
 Martin, L. C., Overseer Carding, Beaumont Mfg. Co., Spartanburg, S. C.  
 Martin, W. V., State Ind. Secy., Y. M. C. A., Spartanburg, S. C.  
 Matthews, H. E., Morse Chain Co., Charlotte, N. C.  
 Mauldin, R. M., J. Spencer Turner Co., Charlotte, N. C.  
 Montjoy, C. L., W. S. Gray Mfg. Co., Woodruff, S. C.  
 Moody, H. F., Supt., Drayton Mills, Spartanburg, S. C.  
 Moore, W. S., Supt., Henrietta Mill No. 1, Henrietta, N. C.  
 Morris, H. E., Brown St. Onge Co., Providence, R. I.  
 Morse, F. L., Pres., Morse Chain Co., Ithaca, N. Y.  
 Moss, T. S., Spinner, Broad River Mills, Blacksburg, S. C.  
 Nanney, F. M., Asst. Supt., Fairmont Mfg. Co., Fairmont, S. C.  
 Oliphant, A. D., Textile World Journal, Greenville, S. C.  
 Osborne, Adlai, Engineer, Lockwood,

Greene & Co., Charlotte, N. C.  
 Osteen, W. T., Whitney Mfg. Co., Whitney, S. C.  
 Painter, H., Overseer Spinning, Fairmont Mfg. Co., Fairmont, S. C.  
 Painter, T. S., Overseer, Cowpens Mfg. Co., Cowpens, S. C.  
 Peasley, Chas. D., Salesman, National Ring Traveler Co., Charlotte, N. C.  
 Perrin, W. B., Asst. Genl. Mngr., Brandon Mills, Greenville, S. C.  
 Pettit, C. W., Overseer Spinning, F. W. Poe Mfg. Co., Greenville, S. C.  
 Philips, R. W., Associate Editor, Cotton, Atlanta, Ga.  
 Poteet, S. J., Spinner, Osage Mfg. Co., Bessemer City, N. C.  
 Powers, S. R., Supt., Broad River Mills, Blacksburg, S. C.  
 Pritchett, Geo. W., Mngr., Morse Chain Co., Charlotte, N. C.  
 Queen, J. J., Carder, Chadwick-Hoskins Co., Charlotte, N. C.  
 Quick, J. A., Overseer Carding, Chadwick-Hoskins Co., Charlotte, N. C.  
 Quinn, Pete T., Draper Corp., Atlanta, Ga.  
 Quillen, D. J., Overseer Spinning, Whitney Mfg. Co., Whitney, S. C.  
 Ray, Geo. W., Spinner, Victor-Monaghan Mill, Walhalla, S. C.  
 Roddy, A. A., Spinner, Poinsett Mills, Greenville, S. C.

(Continued on Page 40)

# The Attractive Mill Village

is an important factor in securing labor.

THE tendency of the times is toward beauty—and it is universal. Formerly it was characteristic of the wealthy. Now it has found its way into the homes of all classes. The attractiveness of the home, its surroundings and the village as a whole, will play an important part in your labor problems of the future.

The interest of the mill demands *lasting qualities* in the construction of homes for its operatives. Human nature demands *convenience* of arrangement.

*Comfort* is the inherent right of every human being.

Strictest *economy* at a time of high costs is highly essential in all construction.

## All These—Beauty, Durability, Convenience, Comfort, Economy

are the principal features of

# QUICKBILT

## BUNGALOWS

Snug, attractive, well-planned, artistic, roomy little bungalows especially designed for attractive, industrial villages.

Built after the practical, thoroughly-proven Patented Garner Locking System, by which all sleepers, joists, panels, plates, rafters, etc., lock securely into each other, forming a type of substantial home that cannot easily be damaged and which will neither give, bend, crack, buckle nor warp, even under the greatest strain. Especially designed for the homes of bosses or operatives. The doubly secure process of erection warrants comfort, even in extremes of hot or cold weather.

QUICKBILT Bungalows are the most economical homes possible. They are made in large quantities according to patented methods in a systematic manner by a plant which covers the entire operation from the forest to the finished house. As a result with every short cut to perfection and economy afforded the cost of manufacture is cut in half and all extra middle-men's profits and commissions are avoided. They are sold direct to you from the forest.

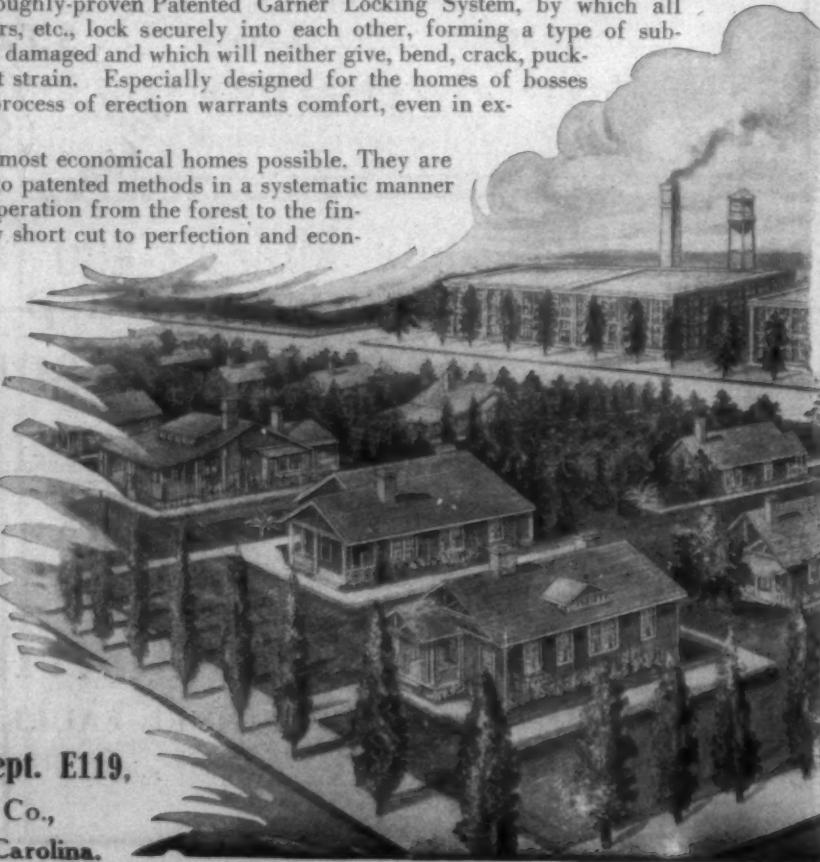
Arriving already built with nothing left but the erection, the labor usually necessary for construction is reduced to a minimum. There will be no piles of waste lumber left. Every waste in material, time, labor and money is avoided.

**The Most Logical, Modern, Practical, Economical Method of Home Building.**

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**A. C. Tuxbury Lumber Co.,  
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TEXTOL, A new product especially for Print Cloths. A complete warp size, requires no addition of tallow



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SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS. FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.

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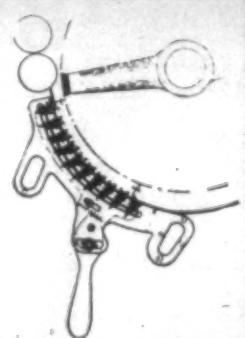
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most manufacturers are adopting, knowing that they will pay for themselves in a short time in the saving of good stock, at high price of COTTON today.

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Slasher and Striking Combs Warps and Leice Reeds, Beamer and Dresser Hecks, Mending Eyes, Jacquard Heddles

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#### Spindle Tape AND Bandings



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# Stauss Soluble Tallow and Gum



Soluble Oils for all warp sizing and finishing purposes. None better. Manufactured by Geo. P. Strauss.

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**What's Time  
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Said the farmer to chap that suggested that he could fatten his pigs quicker with corn feeding.

It is just as shortsighted to continue using wasteful fluid oils when you could save time and money by using

**YOU SAVE TIME**

because NON-FLUID OIL lasts longer and does not have to be applied nearly so often.

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Write for full information and testing samples—free of course.

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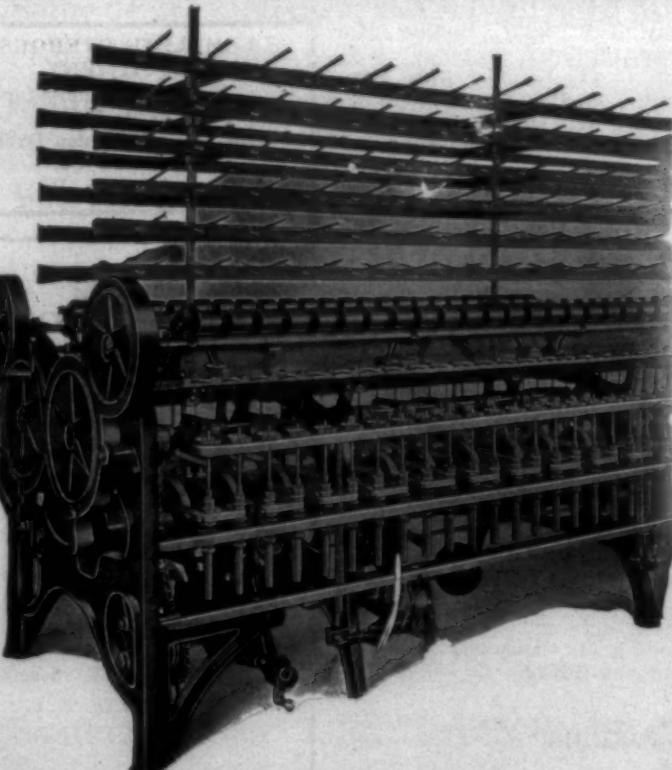
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Save 50 per cent. operative power  
Produce more even yarn

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Not if you use  
SLO-FLO**

*The Scientific Lubricant for Textile Machinery* 

MILLS that have become so accustomed to losing thousands of dollars a year through stained goods that they consider this loss [a part of their fixed overhead are astonished when we prove to them by actual demonstration that they can entirely eliminate the "stained goods" item.

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SCIENTIFIC LUBRICANTS for SCIENTIFIC LUBRICATION

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—MANUFACTURERS—**

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MILL WHITES, PAINTS, STAINS, Etc.

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Start Easiest, Run Smoothest, Wear Longest!

**PAWTUCKET SPINNING RING CO.**  
CENTRAL FALLS, R. I.

**The Great "Flu" Remedy PINESOL**

Mr. Joseph C. Shephard, Wilmington, N. C.

Please ship by freight one barrel Pinesol, and have same followed with tracer. We will appreciate it very much if you will let this shipment come forward right away. For your information will state, that we are getting most excellent results from the use of Pinesol for "flu," and while we are not needing another barrel at this time, we are using every precaution to keep a supply on hand at all times.

Yours very truly,  
GLEN-LOWRY MANUFACTURING CO.,  
W. M. Sherard, V. P. and Gen. Mgr.

Manufactured by  
JOS. C. SHEPARD, Wilmington, N. C.



## Standard Size of the South

The higher the cost of labor, and the higher the cost of raw materials, the more essential it becomes to have the Slasher-Room on an efficient basis. We cheerfully furnish to all interested our Slasher Efficiency Test Blanks.

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JERSEY CITY, N. J.

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Softeners  
Agents,

Finishings

S. C. Thomas and C. C. Clark  
Spartanburg, S. C.

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## Hill, Clark & Company

### COTTON MILL STOCKS A SPECIALTY

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Before you arrange for any more underground Pipe Insulation, it will pay you to know something about Pyro-Bestos. It is the product of practical men and is offered as the most durable and efficient underground Pipe Insulation. It is Insulation and Conduit combined, requires no brick or concrete trench, absorbs no moisture and does not admit water or allow heat to escape at section joints and its simple but efficient method of installation and combination of underdrain, trench floor and pipe bed reduces greatly the trenching cost. Lasts longer than wood, in fact indefinitely. Easily applied and of reasonable cost. Is water repellent,—does not absorb moisture like Infusorial Earth or the loose filling in Tile Conduit systems, all of which materials acting like a wet sponge held against the piping soon rusts in the piping. No materials of an absorbent nature should be placed around underground piping. Test all underground Insulations offered you by placing a fragment in glass of water.

NATIONAL ASBESTOS MFG. CO., Jersey City, N. J.  
GENERAL EQUIPMENT CO., Sou. Agent  
518 Realty Building, CHARLOTTE, N. C.

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CHARLOTTE, N. C.  
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NEW YORK OFFICE  
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## Spartan Sizing Compound Co. Inc.

MORELAND and WITHERSPOON,

SPARTANBURG, S. C.

### Spinners Meet in Spartanburg.

(Continued from Page 37.)  
Rogers, W. F., Overseer Spinning,  
D. E. Converse Co., Glendale, S. C.  
Rollins, Fred, Weaving, Henrietta  
Mills, Henrietta, N. C.  
Sanders, M. C., Greenville Belting  
Co., Greenville, S. C.  
Sanders, J. W., Overseer Spinning,  
Beaumont Mill, Spartanburg, S. C.  
Schenck, H. E., Supt., Cleveland Mill  
& Power Co., Lawndale, N. C.  
Schenck, J. W., Sec., Lily Mill &  
Power Co., Shelby, N. C.  
Shaefer, F. C., Sou. Agt., American  
Moistening Co., Atlanta, Ga.  
Smith, H. E., Overseer Spinning,  
Easley Mill No. 1, Easley, S. C.  
Smith, N. E., Supt., Easley Cotton  
Mill No. 1, Easley, S. C.  
Smith, W. E., Spinner, Easley Mill  
No. 3, Liberty, S. C.  
Smith, Jas. D., Salesman, Parks-  
Cramer Co., Charlotte, N. C.  
Smith, O. W., Overseer Spinning,  
Trion Co., Trion, Ga.  
Smith, H. M., Carder, Woodruff Cotton  
Mill, Woodruff, S. C.  
Smith, P. A., Overseer spinning, Pa-  
cific Mills, Columbia, S. C.  
Spencer, D. G., City Editor, Herald-  
Journal, Spartanburg, S. C.  
Spencer, J. H., Manager, Barber-Col-  
man Co., Greenville, S. C.  
Splawn, W. W., Overseer Spinning,  
Lydia Cotton Mill, Clinton, S. C.  
Stewart, W. C., Salesman, Alexander  
& Garsed, Charlotte, N. C.  
Stone, M. G., Genl. Supt., Pacolet  
Mfg. Co., Pacolet, S. C.  
Stowe, W. M., Spinner, Apalache  
Plant, Arlington, S. C.  
Stroud, T. G., Night Overseer Twisting,  
Victor-Monaghan Co., Arlington,  
S. C.  
Summey, S. A., Supt., Alexander  
Mfg. Co., Forest City, N. C.  
Sweeny, R. P., Mngr., Buffalo Mill,  
Buffalo, S. C.  
Taylor, C. D., National Ring Trav-  
eler Co., Gaffney, S. C.  
Thomas, J. C., Overseer Spinning,  
Drayton Mill, Drayton, S. C.  
Thomas, S. C., Salesman, Seydel Mfg.  
Co., Jersey City, N. J.  
Thomason, Falls L., Rep., N. Y. &  
N. J. Lubricant Co., Charlotte,  
N. C.  
Thomason, L. W., Sou. Agt., N. Y. &  
N. J. Lubricant Co., Charlotte,  
N. C.  
Thompson, C. P., Supt., Trion Co.,  
Trion, Ga.  
Thompson, L. L., Spinner, Easley  
Mills No. 2, Liberty, S. C.  
Thompson, J. L., Overseer Carding,  
Chadwick-Hoskins Co., Charlotte,  
N. C.  
Van Hallon, J. H., Carder, Union-  
Buffalo Mfg. Co., Buffalo, S. C.  
Walen, E. D., Cotton Research Co.,  
Boston, Mass.  
Walker, Bert, Hyatt Roller Bearing  
Co.  
Walter, L. B., Overseer Spinning,  
Chadwick-Hoskins Co., Charlotte,  
N. C.  
Weese, C. F., Overseer Spinning,  
Henrietta Mill No. 1, Henrietta,  
N. C.

Thursday, January 27, 1921.

Whitmire, J. D., Overseer Carding,  
Mills Mill, Greenville, S. C.  
Whitmire, F. E., Overseer Spinning,  
Lily Mill & Power Co., Shelby,  
N. C.  
Whitener, D. H., Overseer Spinning,  
A. M. Smyre Mfg. Co., Gastonia,  
N. C.  
Wikle, Robertson, Textile Engineer,  
Consolidated Tex. Corp., Greens-  
boro, N. C.  
Willis, H. H., Asst. Supervision, Vo-  
cational Education, West Raleigh,  
N. C.  
Wilson, J. R., Supt., Poinsett Mills,  
Greenville, S. C.  
Wilson, E. G., Sec., Y. M. C. A., In-  
ternational Com., Charlotte, N. C.  
Wilson, O. E., Overseer Carding,  
Union-Buffalo Mill, Union, S. C.  
Wofford, B. F., Overseer, Saxon  
Mills, Spartanburg, S. C.  
Wofford, L. E., Spinner, Inman Mills,  
Inman, S. C.  
Wood, A. W., Carder, Henrietta  
Mills, Henrietta, N. C.  
Woolley, J. M., Business Mngr.,  
Southern Textile Bulletin, Char-  
lotte, N. C.  
Zimmerman, E. T., Overseer, Gray  
Mill, Woodruff, S. C.

**NEW CENTURY  
SHINGLES**

ALWAYS for  
21 years the BEST  
Now BETTER than  
ever BECAUSE  
They are now made of  
**Keystone Copper Steel**

GALVANIZED or PAINTED  
Write now for Booklet No. 40 and Price List and  
find out about this long life Metal before buying.  
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Special Machinery for  
Textile Mills  
The Klauder-Weldon Dyeing  
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## Filter Profits

Clear, Clean water in  
ample volume for the  
mere cost of pumping  
with

### NORWOOD FILTERS

Inquiries invited  
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Manufacturers of  
**Spartan Compounds,**  
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**—Starch—**

# Economy and Efficiency

are the watchwords today. Modern mill men who hold to this motto are discarding ordinary, imperfectly refined starches and selecting those special types best suited for their individual conditions. Some desire increased weight, all need increased strength and better weaving qualities for the warp.

You know the results you seek.

We know and can provide the proper type of STARCH.

## Corn Products Refining Co.

NEW YORK

Southern Office

Greenville, S. C.

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**Dyestuffs, Chemicals and Oils**

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P. O. Box 792  
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U. S. Ring Travelers are **uniformly tempered** which insures even-running spinning. They are also correct as to **weight** and **circles**. Quality guaranteed.

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COLUMBUS, GA.

MANUFACTURERS OF

 SPINNING and TWISTER TAPE  
PROMPT SHIPMENTS RIGHT PRICES

IF YOUR SPINNING IS NOT PERFECT, WE CAN  
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BIRMINGHAM, ALABAMA

Box Shooks

SOLICIT YOUR INQUIRIES

Yellow Pine, Poplar and Gum  
Cotton Mill Shooks our Specialty

CAPACITY 50,000 ft. DAILY

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DIRECT FROM SPINNERS TO CONSUMER  
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MILLS DESIRING DIRECT REPRESENTATION AND HAVE THEIR  
PRODUCT SOLD UNDER THEIR OWN MILL NAME WILL  
PLEASE COMMUNICATE.

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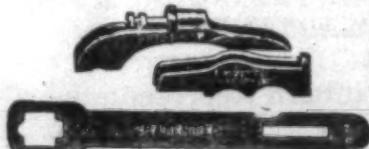
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BRISTOL, RHODE ISLAND



Use Dixon Patent Stirrup Adjusting  
Saddles, the latest invention in Saddle  
for Top Rolls of Spinning Ma-  
chines. Manufacturers of all kinds of  
Saddles, Stirrups and Levers.

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### "The heresy of today is the orthodoxy of tomorrow." DYE YOUR YARNS IN THE WOUND FORM

on machines that pay for themselves in no time. Send us your job dyeing. Our prices are low, deliveries are prompt, and service the best. Franklin machines are used all over the world.

As job dyers we color over a million pounds of cotton and of worsted a year. Let us serve you. Our representative will be glad of an opportunity to see you and fully explain all details.

FRANKLIN PROCESS CO., PROVIDENCE, R. I.

## J. SPENCER TURNER COMPANY COTTON CLOTHS AND YARNS

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NEW YORK

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SOUTHERN OFFICE, 614 Commercial National Bank Building  
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## UNIVERSAL WINDING COMPANY — BOSTON



Winding machines for single and ply yarns, cot-  
ton, woolen, worsted and silk. Write for circular  
describing the NEW WIND DOUBLER, also the  
No. 80 for winding SUPERCONES.

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FREDERICK JACKSON

—Agents—

ATLANTA OFFICE  
1121 Candler Bldg.  
WINTHROP S. WARREN

## The Yarn Market

Philadelphia—Prices have advanced some and have covered a greater variety of yarns during the past week.

Buying of yarns is still good, most of the local sellers assert, and prices are firm at the general level reached this week. There is always a fly in the ointment for the selling end of the yarn market, however, and today the complaint is heard that spinners are in the South advancing their quotations too fast, and that the latest rates demanded by spinners are, in many cases, not justified.

For 40s-2 Southern carded skeins and warps, spinners are asking from 48 to 52 cents a pound, with the market standing at 45 cents. For 30s-2 skeins and warps, and the same counts in single carded cones, spinners ask 38 to 40 cents a pound. Spinners of Pennsylvania grade frame spun carded cones want 35 cents for 24s and as high as 38 cents for 26s, and a few dealers say there have been sales made at these figures. Spinners' quotations have reached up to 35 cents for 20s-2 carded skeins and warps, and coarser counts are being quoted on the basis of 30 to 31 cents for 10s. One Southern mill advises that its output of 30s double carded cones is being held for not less than 42 cents, a recent sale of 50,000 pounds having been made at 40 cents a pound.

In Southern combed peeler yarns, the same tendency is noted among the spinners. Forties two-ply are said by spinners to be bringing 65 cents at the mills and they are holding for 70 cents, while 50s-2 are being sold by spinners, according to their version, at 70 to 75 cents, and 60s at 80 cents a pound. A spinner making combed peeler skeins and warps yesterday insisted that 60s, for example, would bring him 90 cents before he sold another pound. He further stated that this count should be selling today at \$1.25 a pound.

All this is said to be based on the spinners' contention that as yarns have been selling below replacement costs, and as cotton has been advanced about 3 cents a pound and the spinners have not yet effected a sufficient reduction in wage scales to continue operations at current prices without further loss to themselves, their rates on yarns will have to be advanced continuously and hold these advances for at least six months to come, especially as spinners have recently been given reason to believe that yarn users are willing to give more for their yarns.

It is only fair to say that many distributors here are not enthusiastic over the outlook in this respect. Some insist that even now most of the spinners stand to make a moderate profit on current sales. They point to the certainty of keen competition for business later on and a struggle to place yarns at the expense of profits. They question the spinners' claim that the wage scales

in the South make it impossible to produce yarns much more cheaply than heretofore.

In this connection, information received here is that the Southern spinners, in general, have made much greater progress in reducing wages than has been possible in the East. It is positively known here that during the next six months, or longer, Southern spinners expect to have a considerable advantage over Eastern spinners in this respect. Especially among the smaller spinning mills of the South, it is reported, wage cuts have exceeded 40 per cent and, in some cases, spinners' operatives have stood for a 50 per cent cut and are still working.

Southern spinners, in general, according to local reports, are laughing at the 22½ per cent wage cuts over which much is made in Northern industrial centers, and are predicting another cut of 15 to 20 per cent in the not distant future, and possibly a later one of 10 per cent.

**Southern 2-Ply Chain Warps, Etc.**  
6 to 10s...29 a30 2-ply 26s...35 a...  
12s to 14s...31 a... 2-ply 30s...36 a...37  
2-ply 16s...31 a... 2-ply 40s...48 a...  
2-ply 20s...32 a... 2-ply 50s...65 a...  
2-ply 24s...35 a...

**Southern Two-Ply Skeins.**  
6s to 10s...28 a29 30s...36 a36½...  
10s to 12s...29 a30 40s...48 a50  
14s...30 a... 50s...63 a...  
16s...30 a... 60s...70 a...  
20s...32 a... Upholstery  
24s...34 a... Yarns...  
26s...36 a... 8s 3 & 4-ply 22 a...

**Duck Yarns.**  
3, 4 & 5-ply skeins...3, 4 & 5-ply skeins...  
6s to 12s...28 a29 30s...36 a36½...  
10s to 12s...29 a30 40s...48 a50  
14s...30 a... 50s...63 a...  
16s...30 a... 60s...70 a...  
20s...32 a...  
24s...34 a...  
26s...36 a...

**Southern Single Chain Warps.**  
6s to 12s...30 a... 24s...34½ a...  
14s...31 a... 26s...35 a...  
16s...31 a... 30s...37 a...  
20s...32 a... 40s...48 a...  
22s...33 a...

**Southern Single Skeins.**  
6s to 8s...20 a... 20s...32 a...  
10s...29½ a... 22s...32½ a...  
12s...31 a... 24s...33 a...  
14s...31½ a... 26s...36 a...  
61s...32 a... 30s...37 a...

**Southern Frame Cones.**  
8s...28 a... 22s...31 a32  
10s...29 a30 24s...33 a36  
12s...29 a30 26s...34 a37  
14s...29½ a30 30s...34 a35  
16s...30 a30 30s etra...40 a...  
18s...30½ a... 40s...45 a48  
20s...31 a...

**Combed Peeler Cones.**  
10s...46 a... 28s...59 a...  
12s...47 a... 30s...65 a...  
14s...48 a... 32s...67 a...  
18s...51 a... 36s...71 a...  
20s...52 a... 40s...75 a...  
22s...53 a... 50s...90 a...  
24s...55 a... 60s...100 a...  
26s...57 a...

**Machines for special requirements**  
will be engineered, built or improved  
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We make yardage counters, gears,  
brass, bronze, babbitt welding and  
related work.

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1309 Mint St. CHARLOTTE, N. C.

## SYDNOR PUMP & WELL CO.

Richmond, Va.  
Supplying Cotton Mills with  
Water for 30 Years

# Cotton Goods

New York.—The demand for gray cloths in the cotton goods division has quieted down and the usual offerings from second hand traders are appearing again. The markets seem quiet but not weak, as many of the second hand offerings are hardly likely to be met with tenders from several buyers who would purchase mill goods if offered. The reason for this is that the mere purchase from second hands no longer insures delivery or a satisfactory trade. Some large users of gray goods have cut out all second hand purchases because of their experiences last year in trying to arrive at the standing of goods they supposed they owned.

Mills are being re-started in full in a number of important cases and sales have been large enough in some instances to assure a full output for the next 90 days. Printers are unwilling to pay higher than 10 per cent advance above the low point and converters hesitate to make further engagements at the higher values until a larger business develops of finished goods. While the largest volume of business has been done on print cloth and fine convertibles in the gray cloth divisions, there has been a very substantial business placed on bleached cottons, ginghams and miscellaneous lines of colored cottons.

The absence of offerings of cotton blankets and cotton napped goods is also a feature of trade this year due to the stock conditions in many jobbing houses. The winter has been an open one and the high prices at which goods have been held have not hastened their distribution. Many jobbers will not operate on napped goods until their present stocks have been reduced.

The wash goods business is improving steadily but slowly, and the converters do not find that buyers are much affected by prices. That is to say, when prices are named far under any probable cost of replacement, the buyers shrug their shoulders and say, "the price may be all right but we have enough," or they say, "we can't sell those things yet, so why buy them?"

In disposing of wash goods many sellers find themselves confronted with an unwillingness on the part of retailers to buy much for spring or summer until the season is actually on them. Next month, a change in attitude may be seen, but for the time being the lack of desire to anticipate is holding salesmen back a great deal. There are some very fine novelties in the market and they are being bought with great caution, not because of price, but because buyers are restricted in their operations until inventories in retail stores are in and until more progress has been made in reducing stocks of other goods.

Jobbers are making many efforts to impress upon agents that if prices are advanced trade will stop until the goods in hand have been moved or are well toward the retail customers. The old spirit of talking advances just as soon as buying becomes active has passed out of many buyers' lives for some time to come.

Converters of wash fabrics report that buyers are operating only for needs 30 to 60 days ahead. The attendance of buyers in the markets this week has been the largest known in many years.

Prices are: Printed cloths, 28-inch 64x64s, 6½ cents; 64x60s, 6½ cents; 38½-inch 64x64s, 9½ cents; brown sheetings, standards, 12½ cents to 13 cents; tickings, 8-ounce, 20 cents; denims, 2.20s indigo, 17 cents; prints, 11 cents; staple ginghams, 13½ cents; dress ginghams, 15 and 17 cents.

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## Knit Goods

Philadelphia—The knit goods market continues to be fairly active. Practically all agents are offering their lines and they report a fair amount of business which is encouraging if not overly active. Mills all over the country are opening up and there is, accordingly, more activity in the knitting centers. Labor in most instances is facing the inevitable, wage cuts, with reasonably good grace and the knitting mills are experiencing no setbacks in this respect at the present time.

While lacking in new developments the market is steady in its tendency and selling agents feel that the situation is sufficiently strong to warrant confidence which the jobbers are showing in doing their spring business.

Jobbers still continue to buy conservatively in the hosiery markets. From all indications they are preparing their sample lines for spring and at the same time they are making small provisions for immediate deliveries by placing orders for limited quantities of merchandise. They evidently anticipate a short delivery demand from their usual trade and they are making preparations to meet it.

Duplicate orders for spring will depend very largely upon the attitude of retailers toward merchandise. If there is a fairly lively demand sufficiently large to clear the jobbers of stocks that they may have contracted for and already taken in, then of course they will take steps to meet any further demand that may be from retail quarters.

There is little indication of any price weakness at the present time. In one particular line of hosiery, men's 176 needle sock, it appears that there is a range of prices to be obtained from 85 cents to \$1.05. Mills are holding to their individual price schedules rather firmly and differences in finish and quality are said to be responsible to a considerable extent for the range of prices that is to be seen in various lines of hosiery that are apparently of the same grade.

Selling agents are talking of again merchandising on the road about the end of the month or during the early part of February. The opinion is that jobbers will be ready to operate still more freely at that time. Then too it is said that the middlemen never do the bulk of their buying while in the local market, but, on the other hand, they

make their usual trips to get a general impression of the market and then expect to do the bulk of their buying in their own establishments when the agents make their late winter trips. It is said that there is a likelihood of some duplicate business being done early in February provided the middlemen have begun to test the attitude of the retailers toward spring merchandise by that time.

One of the outstanding grounds for optimism in the knit wear industry, according to E. H. Mahler, of the Columbia Knitting and Manufacturing Co., is the complete reversal of the attitude of the press. From a position of unrelied pessimism the newspapers have changed to a tone of conservative optimism, and their columns are carrying stories from the influential leaders in finance, banking, manufacturing and merchandising that breathe this tone of confidence in the future, he observes.

Other knit wear manufacturers of the middle west are also sending out their representatives to place their lines before the retail trade. Those who have been out for a short time are already beginning to send in orders to their respective houses. It is true, however, that orders now being taken are confined almost exclusively to goods for immediate delivery and to bathing suits and other spring lines. Manufacturers whose output is confined to fall and winter goods will not attempt to go out to the dealers until some time between the first and fifteenth of February.

It is evident that retail merchants are gradually being convinced that the bottom has been reached in wholesale prices on knit wear. Stocks are reported to be depleted, in many cases being far below the condition which normally prevails at this season of the year. This is especially true of fall and winter goods.

The manufacturers' representatives without exception are impressing upon the dealer the fact that to insure prompt deliveries when he needs the goods he must begin to place his orders at once. Many of the houses tell their customers that dealers who now assist them in resuming operations and keeping their wheels turning will be accorded preferential treatment should the pressure for merchandise increase.

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## Want Department

If you are needing men for any position or have second hand machinery, etc., to sell the want columns of the **Southern Textile Bulletin** affords the best medium for advertising the fact.

### Speeders Wanted.

Want to purchase six speeders 7x3½ inch or 8x4 inch. Must be in first class running condition. State make, age, number of spindles and lowest prices, F. O. B. cars. Address No. 78, care Southern Textile Bulletin.

**"A Good Cotton Mill Superintendent** of unquestionable character and ability wants position with good, progressive company in Georgia, Alabama, North or South Carolina. Has had several years' experience as superintendent, six years with present company. Complete references, etc., upon request. Address F. H. O., care Textile Bulletin.

**Manager or Superintendent.** Thoroughly competent man with thirty years' practical experience, now employed as manager and superintendent of a first class mill, desires change. References furnished from past and present employers. Address Manager, care Southern Textile Bulletin.

### Knitting Foreman.

Want first-class foreman for knitting department in big hosiery mill. Must be good manager of help and able to get production of good quality low-end misses and ladies hose. Scott & Williams and Geo. D. Mayo Machines used. Make application in own handwriting, stating age, experience, references, etc. Only man of character need apply. Good chance for advancement. Address Hosiery, care Southern Textile Bulletin.

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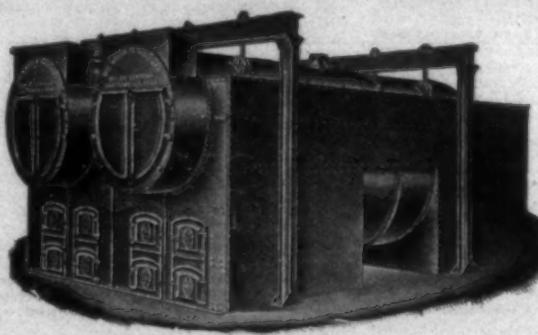
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## SOUTHERN TEXTILE BULLETIN

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The fee for joining our employment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for one month.

If the applicant is a subscriber to the Southern Textile Bulletin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires.

We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern Textile Industry.

WANT position as superintendent of medium size mill or overseer weaving. Am practical weaver on sheetings, prints, twills, chambrays, light and heavy ducks, tire and cord tire fabrics. Am now superintendent of cord tire fabric mill but prefer another location. Am 38 years of age. Can come on short notice. Address No. 2899.

WANT position by young married man with several years experience as book-keeper, pay roll clerk, general office man, etc. Now employed by large Georgia Mill, but have good reasons for wanting to make change. Address No. 2909.

WANT position as superintendent of good yarn or weaving mill. Could take some stock in plant. Thoroughly competent and now employed by large mill but for good reasons would like to make change. Address No. 2925.

WANT position as overseer of spinning in mill in North or South Carolina. Overseer on present job for 2 years. Good reason for wanting to make change. Reference from past and present employers. Address No. 2926.

WANT position as overseer of carding in mill of not less than 25,000 spindles by man 39 years of age, 8 years as overseer, 5 years on present job. Can furnish reference and good reason for wanting to make change. Address No. 2927.

WANT position as overseer of spinning by man of long practical experience and able to get results. References furnished by leading manufacturers and former employers. Address No. 2928.

WANT position as overseer of spinning by man 45 years old with 15 years experience as overseer and several years in other capacity. Best of reference. Address No. 2929.

WANT position as overseer of spinning or superintendent of small yarn mill. Address No. 2930.

WANT position as manager or superintendent by man of long experience on all kinds of work in South and North. Special experience on tire, fabrics, shirting, etc. Best of reference. Age 42. Address No. 2932.

WANT position as assistant superintendent of large mill or superintendent of small mill. Now assistant superintendent but want larger job. Ten years practical experience and textile graduate of N. C. College of A. and E. Not married. Best of reference. Address No. 2933.

WANT position as secretary or treasurer of mill by man of good excellent ability and knowledge of cotton mill work. Thoroughly competent and honest. Clean habits. Address No. 2934.

WANT position as superintendent of weaving mill on colored work. Have been employed in colored goods mill for years, recently as superintendent. Wish to change to new mill with improved machinery. Address No. 2935.

WANT position as superintendent by experienced man of character and ability who can get results and keep mill going. Address No. 2936.

WANT position as overseer of carding or spinning or assistant superintendent in 25,000 to 35,000 spindles mill. Now employed as assistant superintendent but wish to make change. Prefer mill in

WANT position as superintendent of mill by man of good habits and ability to get results. Will go anywhere if right kind of offer is made. Address No. 2938.

WANT position as overseer of weaving on white or colored goods. Many years experience and reference as to character and ability. Address No. 2939.

WANT position as superintendent, overseer of carding and spinning or carding in large mill. Long experience as overseer of carding and spinning and can get results which will please owners of mill. Address No. 2940.

WANT position as overseer of cloth room. Fifteen years experience. Can give best of references as to character, ability, etc. Address No. 2941.

WANT position as overseer of weaving in mill making plain goods of any class. Long experience. Can furnish reference as to character and ability. Address No. 2942.

WANT position as superintendent on plain weaving mill or yarn mill on hosiery yarn. Experienced on ring and mule spinning and can get production if it can be gotten. Address No. 2943.

WANT position as superintendent by man of good executive ability. Experienced on duck and yarns of all kinds. Can come at once for good offer. Address No. 2944.

WANT position as overseer of cloth and finishing room in large mill by man experienced on large variety of cloths and for some time recently on denim. Address No. 2945.

WANT position as superintendent of small mill or overseer of carding or spinning or both. Experienced on wide range of yarns and can furnish reference from some of best manufacturers in South. Address No. 2947.

WANT position as superintendent by experienced man now employed but wishes to change for something better. Can furnish reference from some of best manufacturers in South. Address No. 2947.

WANT position as overseer of weaving in North or South Carolina. Have been running weave room for number of years and can furnish reference as to character and ability. Address No. 2949.

WANT position as overseer of carding or spinning or both in large mill or superintendent of small mill. Several years of successful experience and a wide range of work. Reference. Address No. 2950.

WANT position as overseer of spinning. Experience on all kinds of yarn and can successfully operate any size room. Best of reference as to character and ability. Address No. 2951.

WANT position as superintendent of yarn or weaving mill and can operate successfully any medium size mill. Would not consider less than \$3,000 per year. Address No. 2952.

WANT position as overseer of carding. Can furnish reference as to character and ability and can get production and keep room in good order with plenty of help. Address No. 2953.

WANT position as overseer of cloth room or second hand in large cloth room. Prefer white goods. Married, 33 years of age, 18 years in mill, 18 years as overseer. Address No. 2954.

WANT position as overseer of spinning in North Carolina or Virginia. 38 years old and long experience in mill. Address No. 2955.

WANT position as superintendent or overseer of carding. Twenty-five years experience on all kinds of coarse and fine yarns. Good reference as to character and ability. Address No. 2956.

WANT position as superintendent of small yarn mill in small town or rural district. Married and have three children. Twenty-one years experience in mill. Several as overseer. Address No. 2957.

WANT position as superintendent. Special experience in both carding and spinning of fine yarns. Good reference. Address No. 2959.

WANT position as master mechanic by man with long experience in all kinds of power and drives in mill work in some of largest plants in North Carolina. Thoroughly reliable and competent. Address No. 2960.

WANT position as overseer of weaving. Experience on most all cloths can get good references from former employers if wanted. Address No. 2962.

WANT position as superintendent. At present spinner. Have run twisting and weaving. Especially experienced on duck and tire fabrics. Have successfully superintended at previous times. Best of reference. Would locate permanently in Texas if suited in price and location. Address No. 2961.

WANT position as superintendent or overseer of weaving, dyeing, or finishing. Have had experience on all lines and can furnish reference as to character and ability from former employers. Address No. 2963.

WANT position as overseer spinning, spooling, warping, winding or twisting. Now overseer but wish to change. Age 30. Married, have three small children. Very best of references. Overseen past 6 years. Address No. 2964.

WANT position as superintendent or manager of good cotton mill. Would like to take charge of mill under construction with view of becoming superintendent when finished. Can furnish reference. Address No. 2965.

WANT position as superintendent of good mill in Georgia or Carolinas. Experienced on high grade cotton yarns and ducks. Can furnish reference as to character and ability. Address No. 2966.

WANT position as superintendent. Practical mill man of good habits and can furnish best of references from former employers if wanted. Address No. 2967.

WANT position as overseer of carding or spinning or both. Will go anywhere for good job. Can handle any size job. Good character. Address No. 2968.

WANT position as superintendent by man with long and varied experience. Can get results and keep help. Address No. 2969.

WANT position as assistant superintendent or efficiency man in large cotton mill. Would accept large weaving or cloth room. Thoroughly capable. Address No. 2970.

WANT position as superintendent or overseer weaving in large mill on either plain or fancy work, have had experience with both positions and can give good references as to ability and character. Address No. 2971.

WANT position as superintendent, overseer of spinning or carding and spinning. Practical mill man who can get can furnish excellent reference from former employer. Address No. 2972.

WANT position as overseer of spinning or winding and twisting in large mill or all in small mill. Have had number of years experience as overseer and results. Address No. 2972.

WANT position as superintendent or overseer of carding and spinning. Can come at once and furnish good reference. Address No. 2974.

WANT position as superintendent of small yarn mill or overseer of carding and spinning in large mill. Good references. Address No. 2975.

WANT position as overseer of carding and spinning or superintendence of small mill. Can furnish best of reference as to character, ability, etc. Address No. 2977.

WANT position as overseer of carding or spinning or both. Can furnish references as to character and ability. Have had number years experience on all size yarns. Address No. 2978.

WANT position as overseer of spinning either day or night. Would accept position as second hand in large room. Reference as to character and ability. Address No. 2980.

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WANT position as overseer of large weave room on plain or colored goods or superintendent of small weave mill. Address No. 2976.

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WANT position as superintendent of small mill or overseer of carding or spinning or both. Experienced on wide range of yarns and can furnish reference as to character and ability. Address No. 2986.

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Draper Corporation.  
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Whitin Machine Works.  
Whitinsville Spinning Ring Co.

**SPINNING TAPE**—  
American Textile Banding Co.  
Barber Mfg. Co.  
Georgia Webbing and Tape Co.

**SPOOLES**—  
—See Bobbins, Spools, Shuttles.

**SPROCKETS, SILENT CHAIN**—  
Link-Belt Company.  
Morse Chain Co.

**STARCH**—  
—See Sizing, Starch and Gum.

**SPOOLERS**—  
Draper Corporation.  
Saco-Lowell Shops.  
Whitin Machine Works.

**STEAM TRAPS**—  
Powers Regulator Co.

**STRAPS**—  
Deford Co., The.

**STRAP LEATHER**—  
Deford Co., The.

**SOLDERLESS CONNECTIONS (FRANKEL)**—  
Westinghouse Electric & Mfg. Co.

**SWITCH BOXES**—  
Chicago Fuse Mfg. Co.

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**TACHOMETERS**—  
Veedor Mfg. Co.

**TANKS**—  
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Walsh & Weldner Co.

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Barber Mfg. Co.  
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Sullivan Hardware Company.  
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Powers Regulator Co.

**TEMPLES**—  
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Perkins, B. F., & Son., Irt.

**TRANSFER STAMPS**—  
Kaumagraph Co.

**TRAPS**—  
—See Steam Traps.

**TOWERS**—  
Southern Engineering Co.

**TRANSMISSION MACHINERY**—  
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General Electric Co.  
East Jersey Pipe Co.  
Hyatt Roller Bearing Co.  
Link-Belt Company.  
Morse Chain Co. (Silent Chain).  
Perkins, B. F., & Sons, Inc.  
Slaughter, G. G., Machinery Co.  
Tolhurst Machine Works.  
Westinghouse Electric & Mfg. Co.

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Vogel Co., Jos. A.

**TOOLS**—  
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Walraven Co.

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Link Belt Co.  
Morse Chain Co.

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**TRUCKS (MILL)**—  
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Diamond States Fibre Co.  
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De Laval Steam Turbine Co.  
General Electric Co.  
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Draper Corporation.  
Saco-Lowell Shops.  
Whitin Machine Works.

**UNDERWEAR MACHINES**—  
Merrow Machine Co.

**VACUUM TRAPS**—  
Powers Regulator Co.

**VENTILATING APPARATUS**—  
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General Electric Co.  
Ilg Electric & Ventilating Co.  
Parks-Cramer Co.  
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Sargent's, C. G., Sons.  
Tolhurst Machine Works.

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Draper Corporation.

**WARP STOP MOTION**—  
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**WARP TYING MACHINERY**—  
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Newport Chemical Works.  
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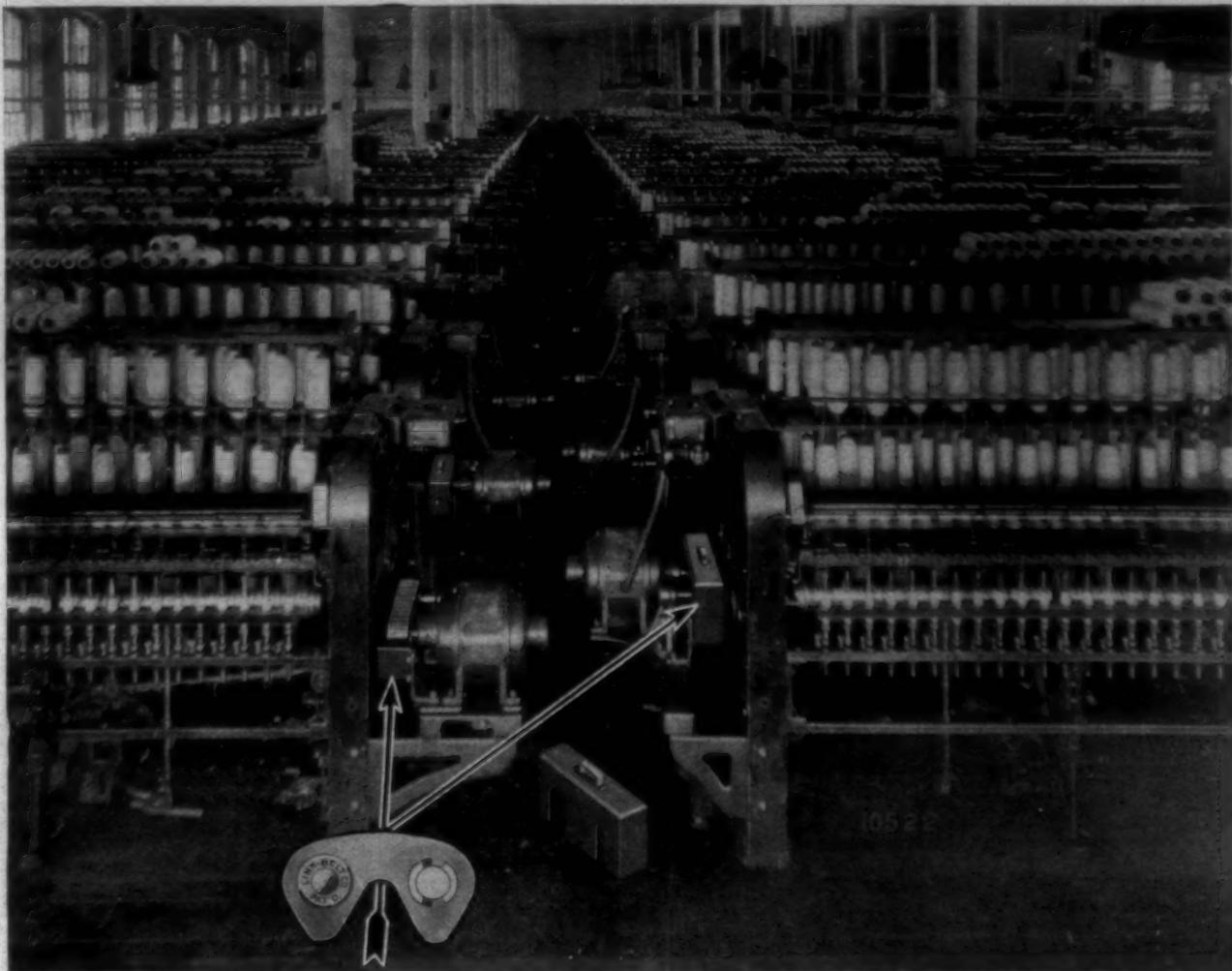
**WINDERS**—  
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Universal Winding Co.

**WINDOWS**—  
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Southern Engineering Co.

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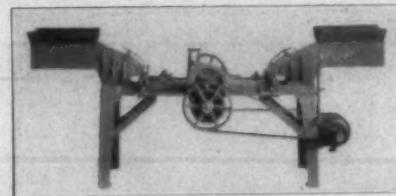
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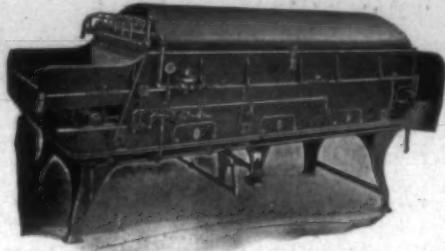
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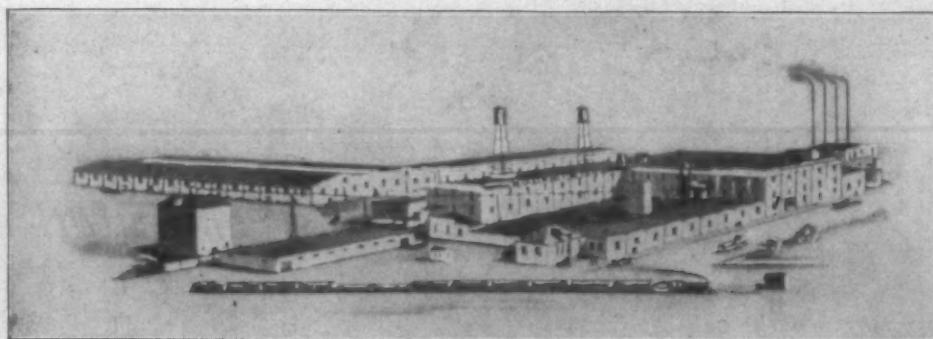
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